



Savannah State College
A Unit of
The University System of Georgia
1981-82

Savannah State College, a unit of the University System of Georgia, consists of a School of Humanities and Social Sciences, a School of Science and Technology, and a School of Business.

Accredited by

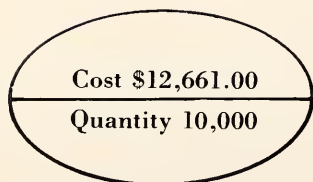
The Southern Association of Colleges and Schools and the Technology Accreditation Commission of the Accreditation Board for Engineering Technology

IMPORTANT NOTICE

The statements set forth in this Catalog are for informational purposes only and should not be construed as the basis of a contract between a student and this institution. While the provisions of this catalog will ordinarily be applied as stated, Savannah State College reserves the right to change any provisions listed in this catalog, including but not limited to academic requirements for graduation, without actual notice to individual students. Every effort will be made to keep students advised of any such changes.

Information on changes will be available in the offices of: Deans of Schools; Department Heads, Registrar and Vice Presidents. It is especially important that each student note that it is his responsibility to keep himself apprised of current graduation requirements for his particular degree program.

“Savannah State College does not discriminate on the basis of handicap in the recruitment and admission of students, the recruitment and employment of faculty and staff, and the operation of any of its programs and activities, as specified by federal laws and regulations. The designated coordinator for compliance with section 504 of the Rehabilitation Act of 1973, as amended, is Henton Thomas.”



THE SAVANNAH STATE COLLEGE BULLETIN

A UNIT OF THE UNIVERSITY SYSTEM OF GEORGIA

GENERAL CATALOG ISSUE 1981-82

SEPTEMBER, 1981

Savannah, Georgia 31404

Civil Rights Compliance

Applicants for admission to Savannah State College are admitted without regard to race, color, creed, religion, national origin or sex.



JC Milledge

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ACADEMIC CALENDAR

1981-82

FALL QUARTER, 1981

September

13	Sunday	Residence Hall Opens for New Students
14	Monday	Last day to file for refund of room deposit (See Explanation of Fees in <i>College Catalog</i>)
		FACULTY WORKSHOP BEGINS
		Freshmen Orientation
17	Thursday	Registration for Freshmen
18	Friday	Registration for Returning Students Registration for Evening and Weekend Students
21	Monday	First Day of Classes
22	Tuesday	Registration with Payment of Late Fee
24-28	Thursday-Monday	Schedule Adjustment Period (ADD & DROP). All additions of classes must be completed during this period.
28	Monday	Last Day of Registration

October

2	Friday	Last Day to Check with Office of Testing to take LSE (Regents')
23	Friday	Reporting of Mid-Quarter Deficient Grades
26-27	Monday-Tuesday	University System Language Skills Examination (Regents')
30	Friday	Last Day to Drop Classes Without Penalty

November

9-13	Monday-Friday	Pre-Advisement and Advance Registration for Winter Quarter
26-27	Thursday-Friday	Thanksgiving Recess
30	Monday	Classes Resume

December

1	Tuesday	Last Day of Classes
2-4	Wednesday-Friday	Final Examinations
4	Friday	Fall Quarter Ends
7	Monday	Final Grades Due in Registrar's Office

WINTER QUARTER, 1982*January*

4	Monday	Residence Halls Open at 8 a.m. Dining Hall Opens at 12 Noon Registration for Undergraduate Students 8:30 a.m. — 4:30 p.m. Registration for Evening and Weekend Students 4:30 p.m. — 7:30 p.m.
5	Tuesday	First Day of Classes
6	Wednesday	Registration with Payment of Late Fee
7-11	Thursday-Monday	Scheduled Adjustment Period (ADD & DROP) All additions of classes must be completed during this period
11	Monday	Last Day for Registration
15	Friday	Martin Luther King's Birthday
15	Friday	Last Day to Check with Office of Testing to take LSE (Regents')

February

5	Friday	Reporting of Mid-Quarter Deficient Grades
8-9	Monday-Tuesday	University System Language Skills Examination (Regents')
12	Friday	Last Day to Drop Classes Without Penalty
15-19	Monday-Friday	Pre-Advisement and Advance Registration for Spring Quarter
19	Friday	Honor's Day Convocation (All-College Assembly)

March

16	Tuesday	Last Day of Classes
17-19	Wednesday-Friday	Final Examinations
19	Friday	Winter Quarter Ends
22-26	Monday-Friday	Spring Break

SPRING QUARTER, 1982*March*

29	Monday	Registration for all Students 8:30 a.m. — 4:30 p.m. Registration for Evening Students 5:00 — 7:00 p.m.
30	Tuesday	First Day of Classes
31	Wednesday	Registration with Payment of Late Fee
31-5	Wednesday-Monday	Schedule Adjustment Period (ADD & DROP) All additions of classes must be completed during this period

April

2	Friday	Last Day to Check with Office of Testing to take LSE (Regents')
5	Monday	Last Day for Registration
9	Friday	HOLIDAY — Good Friday

May

3	Monday	Reporting of Mid-Quarter Deficient Grades
26-27	Monday-Tuesday	University System Language Skills Examination (Regents')
10	Monday	Last Day for Dropping Classes Without Penalty
21	Friday	Awards Day
28	Friday	Grades Due on Degree Candidates

June

8	Tuesday	Last Day of Classes
9-11	Wednesday-Friday	Final Examinations
13	Sunday	Commencement

SUMMER QUARTER, 1982

Nine-Week Session, June 21 — August 20

Six-Week Session, June 21 — July 30

<i>June</i>		
18	Friday	Registration for All Students 8:30 a.m. Registration for Evening Students 4:30 — 7:00 p.m.
21	Monday	First Day of Classes
23-25	Wednesday-Friday	Schedule Adjustment Period (ADD & DROP) All additions of classes must be completed during this period
25	Friday	Last Day to Check with Office of Testing to take LSE (Regents')
<i>July</i>		
5	Monday	HOLIDAY — Fourth of July
12-13	Monday-Tuesday	University System Language Skills Examination (Regents')
21	Wednesday	Reporting of Mid-Quarter Deficient Grades
19-23	Monday-Friday	Pre-Advisement and Advance Registration for Fall Quarter
<i>August</i>		
11	Tuesday	Grades Due on Degree Candidates
18	Tuesday	Last Day of Classes
19-20	Wednesday-Friday	Final Examinations
20	Friday	Commencement

GOVERNING BOARD AND ADMINISTRATION

Rufus B. Coody	Vienna
Marie W. Dodd	Roswell
Jesse Hill, Jr.	Atlanta
O. Torbitt Ivey, Jr.	Augusta
John E. Skandalakis	Atlanta
Erwin A. Friedman	Savannah
William T. Divine, Jr.	Albany
John H. Robinson, III	Americus
Scott Candler, Jr.	Decatur
Elridge W. McMillan	Atlanta
Lamar R. Plunkett	Bowdon
Lloyd L. Summer, Jr.	Rome
Thomas H. Frier, Sr.	Douglas
Sidney O. Smith, Jr.	Gainesville
Julius F. Bishop	Athens

OFFICERS AND STAFF MEMBERS OF THE BOARD OF REGENTS

Marie W. Dodd	Chairperson
O. Torbitt Ivey, Jr.	Vice Chairman
Vernon Crawford	Chancellor
H. Dean Propst	Vice Chancellor
Henry G. Neal	Executive Secretary
Shealy E. McCoy	Vice Chancellor-Fiscal Affairs and Treasurer
Frank C. Dunham	Vice Chancellor-Facilities
Mario J. Goglia	Vice Chancellor-Research
Robert M. Joiner	Vice Chancellor-Public Relations and Information Services
Howard Jordan, Jr.	Vice Chancellor-Services
Thomas F. McDonald	Vice Chancellor-Student Services
Harry B. O'Rear	Vice Chancellor-Health Affairs
Haskin R. Pounds	Vice Chancellor-Planning
Robert J. Cannon	Assistant Vice Chancellor- Affirmative Action
James L. Carmon	Assistant Vice Chancellor- Computing Systems
Wanda K. Cheek	Assistant Vice Chancellor-Planning
Gordon M. Funk	Assistant Vice Chancellor-Fiscal Affairs- Accounting Systems and Procedures
Mary Ann Hickman	Assistant Vice Chancellor- Academic Development
H. Guy Jenkins, Jr.	Assistant Vice Chancellor-Facilities
Thomas E. Mann	Assistant Vice Chancellor-Facilities
Roger Mosshart	Assistant Vice Chancellor-Fiscal Affairs- Budgets
Charles R. Sanders	Assistant Vice Chancellor-Planning
Jacob H. Wamsley	Assistant Vice Chancellor-Fiscal Affairs

OFFICERS OF ADMINISTRATION

- Wendell G. RayburnPresident
B.S., Eastern Michigan University; M.A., University of Michigan; Ed.D.,
Wayne State University.
- Edward J. HayesVice President for Academic Affairs
Ph.B., M.A., University of Detroit; Ph.D., Wayne State University.
- Prince MitchellVice President for Business and Finance
B.S., Savannah State College.
- Leon S. WhiteDean for Student Affairs
B.S., M.Ed., Tuskegee Institute; Ph.D., Ohio State University.
- Benjamin F. LewisDirector of Development
B.S., Savannah State College; LL.B., John Marshall Law College.
- John B. ClemmonsRegistrar (Acting)
B.S., Morehouse College; M.S., Atlanta University.
- Charles J. ElmoreAssistant to President/
Director of Public Relations
B.S., Savannah State College; M.A., Ph.D., University of Michigan.
- Ja A. JahannesDean, School of Humanities and
Social Sciences
B.A., Lincoln University; M.A., M.A., Hampton Institute; Ph.D., University
of Delaware.
- Margaret C. RobinsonDean, School of Sciences and Technology
B.S., Savannah State College; M.S., University of Michigan; Ph.D., Wash-
ington University.
- James Gordon Gilkey, Jr.Acting Dean, School of Business
A.B., Harvard College; B.D., Union Theological Seminary; D.D., Knox
College.
- Gary F. NorsworthyDean of Joint Continuing Education Center-
Savannah State College-Armstrong State College
B.A., M.A., Ph.D., Florida State University.

THE UNIVERSITY SYSTEM OF GEORGIA

The University System of Georgia includes all state-operated institutions of higher education in Georgia — 4 universities, 14 senior colleges, 15 junior colleges. These 33 public institutions are located throughout the state.

A 15-member constitutional Board of Regents governs the University System, which has been in operation since 1932. Appointments of Board members — five from the state-at-large and one from each of the state's 10 Congressional Districts — are made by the Governor, subject to confirmation by the State Senate. The regular term of Board members is seven years.

The Chairperson, the Vice Chairperson, and other officers of the Board are elected by the members of the Board. The Chancellor, who is not a member of the Board, is the chief executive officer of the Board and the chief administrative officer of the University System.

The overall programs and services of the University System are offered through three major components: Instruction; Public Service/Continuing Education; Research.

INSTRUCTION consists of programs of study leading toward degrees, ranging from the associate (two-year) level to the doctoral level, and certificates.

Requirements for admission of students to instructional programs at each institution are determined, pursuant to policies of the Board of Regents, by the institution. The Board establishes minimum academic standards and leaves to each institution the prerogative to establish higher standards. Applications for admission should be addressed in all cases to the institutions.

A Core Curriculum, consisting of freshman and sophomore years of study for students whose educational goal is a degree beyond the associate level, is in effect at the universities, senior colleges, and junior colleges. This Curriculum requires 90 quarter-credit-hours, including 60 in general education — humanities, mathematics and natural sciences, and social sciences — and 30 in the student's chosen major area of study. It facilitates the transfer of freshman and sophomore degree credits within the University System.

Instruction is conducted by all institutions.

PUBLIC SERVICE/CONTINUING EDUCATION consists of non-degree activities, primarily, and special types of college-degree-credit courses.

The non-degree activities are of several types, including such as short courses, seminars, conferences, lectures, and consultative and advisory services, in a large number of areas of interest.

Non-degree public service/continuing education is conducted by all institutions.

Typical college-degree-credit public service/continuing education courses are those offered through extension center programs and teacher education consortiums.

RESEARCH encompasses investigations conducted primarily for discovery and application of knowledge. These investigations include clearly defined projects in some cases, non-programmatic activities in other cases. They are conducted on campuses and at many off-campus locations.

The research investigations cover a large number and a large variety of matters related to the educational objectives of the institutions and to general societal needs:

Most of the research is conducted through the universities; however, some of it is conducted through several of the senior colleges.

The policies of the Board of Regents for the government, management, and control of the University System and the administrative actions of the Chancellor provide autonomy of high degree for each institution. The executive head of each institution is the President, whose election is recommended by the Chancellor and approved by the Board.

State appropriations for the University System are requested by, and are made to, the Board of Regents. Allocations of the appropriations are made by the Board. The largest share of the state appropriations — approximately 52 percent — is allocated by the Board for Instruction. The percentages of funds derived from all sources for Instruction in the 1980-81 fiscal year were: 77 percent from state appropriations, 20 percent from student fees, 3 percent from other internal income of institutions.

Institutions of the University System of Georgia

h — On-Campus Student Housing Facilities

Degrees Awarded: A — Associate; B — Bachelor's; J — Juris Doctor;
M — Master's; S — Specialist in Education; D — Doctor's

Universities

Athens 30602

University of Georgia — h; B,J,M,S,D

Atlanta 30332

Georgia Institute of Technology — h; B,M,D

Atlanta 30303

Georgia State University — A,B,M,S,D

Augusta 30912

Medical College of Georgia — h; A,B,M,D

Senior Colleges

Albany 31705

Albany State College — h; B,M

Americus 31709

Georgia Southwestern College — h; A,B,M

Augusta 30910

Augusta College — A,B,M,S

Carrollton 30118

West Georgia College — h; A,B,M,S

Columbus 31993

Columbus College — A,B,M,S

Dahlonega 30597

North Georgia College — h; A,B,M

Fort Valley 31030

Fort Valley State College — h; A,B,M

Marietta 30061

Kennesaw College — A,B

Marietta 30060

Southern Technical Institute — h; A,B

Milledgeville 31061

Georgia College — h; A,B,M,S

Savannah 31406

Armstrong State College — A,B,M

Savannah 31404

Savannah State College — h; A,B,M

Statesboro 30460

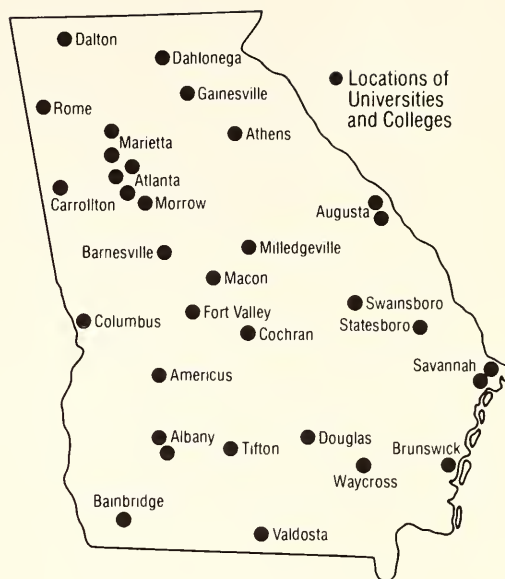
Georgia Southern College — h; A,B,M,S

Valdosta 31698

Valdosta State College — h; A,B,M,S

Junior Colleges

Albany 31707
 Albany Junior College — A
 Atlanta 30310
 Atlanta Junior College — A
 Bainbridge 31717
 Bainbridge Junior College — A
 Barnesville 30204
 Gordon Junior College — h; A
 Brunswick 31523
 Brunswick Junior College — A
 Cochran 31014
 Middle Georgia College — h; A
 Dalton 30720
 Dalton Junior College — A
 Douglas 31533
 South Georgia College — h; A
 Gainesville 30403
 Gainesville Junior College — A
 Macon 31297
 Macon Junior College — A
 Morrow 30260
 Clayton Junior College — A
 Rome 30161
 Floyd Junior College — A
 Swainsboro 30401
 Emanuel County Junior College — A
 Tifton 31793
 Abraham Baldwin Agri. College — h; A
 Waycross 31501
 Waycross Junior College — A



University System of Georgia
 244 Washington Street, S.W.
 Atlanta, Georgia 30334

HISTORY

By Act of the General Assembly on November 26, 1890, the State of Georgia "established in connection with the State University, and forming one of the departments thereof, a school for the education and training of Negro students." A commission was appointed to procure the necessary grounds and buildings, and to prescribe a course of study that would include those studies required by the Morrill Land-Grant Acts of 1862 and 1890.

The Commission on the School for Negro Students was designated as the Board of Trustees for the School, with perpetual succession subject to the general Board of Trustees of the University of Georgia. The Chancellor of the University of Georgia was given general supervision of the school.

A preliminary session of the school was held between June 1 and August 1, 1891, at the Baxter Street School building in Athens, Georgia. Richard R. Wright, the first principal, and three other instructors comprised the faculty. In the following year the school was moved to its present site, which is approximately five miles southwest of the Courthouse of Savannah, Georgia, partly in Savannah and partly in Thunderbolt. The school was given the name "The Georgia State Industrial College for Colored Youths," and its faculty consisted of Major Wright as President, instructors in English, mathematics, and natural sciences, a superintendent of the mechanical department, and a foreman of the farm.

During the thirty years that Major Wright served as President of the College, enrollment increased from 8 to 585 and the curriculum was expanded to include a normal division in addition to four years of high school. Training in agriculture and the mechanical arts also was begun.

The first women students were admitted as boarders in 1921; the first summer session was conducted in 1922; and in 1925 the governing body of the College was changed from a Commission with "perpetual succession" to a Board of Trustees whose members were appointed for four year terms. All of these changes occurred during the presidency of C. G. Wiley, the first alumnus of the College to become president, who served from 1921 to 1926.

Under President Benjamin F. Hubert (1926-1947), the entire academic program was reorganized. The high school and normal departments were discontinued and the school became a four-year college. In 1931, when the University System was placed under a Board of Regents, the College began to offer bachelor's degree programs with majors in English, the natural sciences, social sciences, and business administration, as well as in agriculture and home economics.

Until 1947, the College served as the State land-grant institution for Negroes. In that year this function was assumed by Fort Valley State College.

During the administration of President James A. Colston (1947-1949), the faculty was strengthened and improvements were made in the physical plant. Among the programs that were launched at this time were the Alumni Scholarship Drive, Campus Chest, Annual Men's Day, Religious Emphasis Week, Freshmen Week, and the Cultural Artists Series. Expanded programs of students personnel services, and public relations, a reading clinic, and an audio visual aids laboratory were instituted under the leadership of President Colston.

Dean W. K. Payne became acting president of the College on September 1, 1949. The Regents of the University System of Georgia changed the name of the College from Georgia State College to Savannah State College on January 18, 1950. Dr. Payne became the fifth President of the College on March 1950; he served in this capacity until his death on July 26, 1963.

At the beginning of Dr. Payne's administration, Savannah State College was granted membership in the American Council on Education. During the course of his administration the curriculum was expanded and improved and the institution was admitted to membership in the Southern Association of Colleges and Schools. In addition the academic program of the College was organized under seven divisions — Business Administration, Education, Humanities, Natural Sciences, Social Sciences, Technical Sciences, and Home Study.

Timothy C. Meyers served as acting president from the time of Dr. Payne's death until November 1, 1963. Myers had served as dean of the faculty since September, 1953.

Under the leadership of Dr. Howard Jordan, Jr. (November 1, 1963 through January 31, 1971), significant, far-reaching and innovative programs were initiated in all aspects of the College's development. Curricula improvements in the general education program in teacher education, and in business administration, as well as other areas, were carried forward. A graduate studies program in elementary education was initiated in the summer of 1968. The mantle of educational leadership at Savannah State College passed from Dr. Jordan to Dr. Prince A. Jackson, Jr., on February 1, 1971.

Many of the improvements and innovations begun during President Jordan's administration came to fruition during the first year of Dr. Jackson's tenure. The three engineering technology programs — civil, electronics, and mechanical — were accredited by the Engineers' Council for Professional Development in 1973. Dr. Jackson served until March 27, 1978, when he was succeeded by Dr. Clyde W. Hall, who at the time of his appointment as acting president was serving as Chairman of the Division of Technical Sciences.

In September 1979, due to the desegregation plan mandated by the Department of Health, Education and Welfare, the faculty and students in the Division of Education at Savannah State College were transferred to Armstrong State College and Savannah State College received the faculty and students in the Division of Business from Armstrong State College in a historic program swap. This program swap resulted in the creation of a new School of Business at Savannah State College during the 1979-80 academic year.

Additionally, on April 13, 1980 the Board of Regents of the University System of Georgia approved a new Administrative organization plan for Savannah State College for 1980-81. Under the plan Savannah State was reorganized into three schools — Business; Humanities and Social Sciences; and Sciences and Technology. On September 15, 1980, Dr. Wendell G. Rayburn became the eighth president of Savannah State College.

Buildings and Grounds

The campus, comprising 136 acres, presents a unique setting of natural beauty. Among its 34 buildings are two that were constructed during the administration of Major Richard R. Wright: Hill Hall (1901), and Hammond Hall (1915), both of which have been extensively renovated in recent years. Hill Hall is occupied by most of the Federal Programs and Extended Services; and Hammond Hall is the present site of the Department of Home Economics.

W. K. Payne Hall, a two-story air conditioned building, is a main classroom building. In addition to its fifteen classrooms, it also provides office space for thirty-two instructors (including four departmental offices), data processing facilities, a secretarial center, a language laboratory, a reading clinic and the Learning Resource Center. Most of the classes in the English, Social Sciences, Modern Languages, and Special Studies Departments are held in this facility.

Other classroom buildings, and the Departments that each house are Herty Hall (1937) — Mathematics and Physics; Hubert Technical Sciences Center (1960) — Engineering Technology and Chemistry; Morgan Hall (1936) and Morgan Hall Annex; J. F. Kennedy Fine Arts Center (1967) — Fine Arts; the Griffith-Drew Center for the Natural Sciences (1971) — Biology; and Wiley-Wilcox Gymnasium Complex — Physical Education.

Completing the physical facilities of the campus are those buildings used for activities that are auxiliary to the instructional process, those used as student residence halls and those used to house the maintenance and operational staffs. The Martin Luther King-Varnetta Frazier Student Center Complex (1969) houses the Student Counseling Offices, the College Dining Hall, the Post Office, and the offices directly involved in student life and student activities. Adams Hall (1931), formerly used as the dining hall, is now an annex of the Student Center, while Powell Hall, constructed in 1932 as the Laboratory School for the College, is now a Nursery School Kindergarten, and serves as the laboratory for the Early Childhood Education Program. Powell Hall also houses the student-created Ethnic Culture Center.

Three new buildings were completed in 1976. A new library, destined to be the first circular-shaped library in the state, was occupied that year and serves as the hub for the other buildings located on the southern portion of the campus. Adjacent to the new library is the Helen Adele Whiting Hall. This building houses the School of Business. The third new building is the NROTC Armory located adjacent to the stadium. A portion of this building serves as an athletic field house.

Residence halls include two recently completed ones: Smith-Bowen for women (1971) and Melvin Bostick Men's Residence Hall (1972). Both dormitories are air-conditioned, as is A. E. Peacock Hall (1967) and Lockette Hall (1965). Peacock Hall accommodates 180 men and Lockette Hall, 180 women. Lester Hall (1965), a dormitory for young women, completes the list of residence halls now used for housing accommodations. Camilla Hall (1938) has been converted to married student housing. Wright Hall (1951), a former dormitory, is being utilized to provide additional academic and administrative office space. The studio for FM radio station WHCJ is also in Wright Hall. Asa Gordon Hall (1959) was recently renovated and converted into the Administration Building.

Most of the plant operations are directed from the Medgar Evers Plant Operations Complex, a modern facility that houses the main offices for Plant Operations and the College Warehouse. Housekeeping services are now housed in the former field house.

PURPOSE AND OBJECTIVES OF THE COLLEGE

Savannah State College is a four-year, co-educational unit of the University System of Georgia, strongly committed to the development of the intellectual, social, and professional competence of individuals. Recognizing its historic commitment to the educational needs of the Black student as mandated in its original charter of 1890, the College offers quality education to all students. The Institution offers programs designed to assist students to become active and creative citizens and to attain their fullest spiritual and moral stature.

Located as it is in an important urban and coastal area, the College is committed to a major and continuing interest in developing and implementing curricular, co-curricular, and public service activities that address the issues, concerns, problems, resources, and opportunities of urban and coastal communities. Consistent with the above philosophy, the objectives established by the Institution should enable its students:

1. To acquire the knowledge and skills necessary for the satisfaction of personal and societal needs;
2. To develop individual abilities and intellectual curiosity through research and other scholarly activities;
3. To acquire specialized training in a chosen field;
4. To broaden their understanding of and appreciation for their own and other cultures;
5. To develop an appreciation for mental, emotional, and physical health;
6. To develop an awareness of social and civic responsibility;
7. To enhance their understanding of the problems and opportunities of urban and coastal communities; and
8. To contribute to the resolution of urban and coastal area problems through participation in a limited number of community oriented projects.

SCHOOLS, DEGREES, AND PROGRAMS

SCHOOL OF BUSINESS *Bachelor of Business Administration*

Majors: Accounting, Economics, Finance, General Business Administration, Information Systems, Management, Marketing, and Office Administration

Associate of Arts Degree

Office Administration

Master of Business Administration

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES *Bachelor of Arts*

Majors: English Language and Literature, Music, History, Political Science and Sociology

Bachelor of Science

Majors: Criminal Justice and Social Sciences

Bachelor of Social Work

Major: Social Work

SCHOOL OF SCIENCES AND TECHNOLOGY *Bachelor of Science*

Majors: Chemistry, Biology, Marine Biology, Environmental Studies, Mathematics, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, Dietetics and Institutional Management, Textiles and Clothing, Process Engineering Technology.

Associate of Science Degree

Areas: Marine Science Technology

*Associate of Applied Science Degree

Areas: Civil, Design and Drafting, Electronics, and Mechanical Technology, Computer Technology, Chemical Engineering Technology.

Savannah State College comprises three schools: Business; Humanities and Social Sciences; and Sciences and Technology.

Through its three schools, the College awards the baccalaureate degree, with majors in accounting, economics, finance, general business administration, information systems, management, marketing, office administration, English Language and Literature, music, criminal justice, history, political science, social work, sociology, chemistry, biology, marine biology, environmental studies, mathematics, civil engineering technology, mechanical engineering technology, electronic engineering technology, dietetics and institutional management, textiles and clothing.

An Associate of Arts degree is offered in marine science technology. Additionally, Savannah State College offers an Associate of Arts degree in office administration and an Associate of Applied Science degree in a dual arrangement with the Savannah Area Vocational-Technical School in the areas of civil, design and drafting, electronic and mechanical technology.

*Two year program sponsored jointly with the Savannah Area Vocational-Technical School.

Minor fields of specialization are available in hotel management, restaurant management, real estate, accounting, economics, finance, information systems, general business administration, management, marketing, office administration, English, Mass Communications, Religious and Philosophical Studies, French, Spanish, German, art, music, biology, chemistry, mathematics, electronics/physics, computer science, air traffic control, naval science, Black Studies, criminal justice, history, political science, psychology engineering technology, child development, Disadvantaged and Handicapped Families, and gerontology.

Minor programs are to be approved by a student's major department in consultation with the minor department.



STUDENT AFFAIRS

UNDERGRADUATE ADMISSION TO THE COLLEGE

GENERAL INFORMATION

A person who wishes to enroll at Savannah State College must file an application form which can be obtained from the Director of Admissions. If the applicant is a high school student he should file his application as early as possible during his senior year. All applications must be filed at least twenty days prior to the date of registration for the quarter in which the applicant plans to enroll. An applicant must furnish evidence indicating that he or she has the ability to do college level work.

Each applicant for admission is required to submit a properly completed application form, a transcript or transcripts of previous academic work, test scores from the Scholastic Aptitude Test (SAT) of the College Entrance Examination Board, and a \$10.00 nonrefundable application fee (application fee will be waived at the request of an authorized person). Transcripts should be mailed directly from the applicant's former schools to the Director of Admissions. Information regarding the Scholastic Aptitude Test may be obtained from high school counselors, any college that is a part of the University System of Georgia, or from the College Entrance Examination Board, Post Office Box 592, Princeton, New Jersey 08540. The applicant should request that his scores be reported to the Director of Admissions, Savannah State College.

Savannah State College reserves the right to refuse to accept applications at any time when it appears that students already accepted for the quarter for which the applicant wishes to enroll will fill the institution to its maximum capacity. The college also reserves the right to reject an applicant who is not a resident of Georgia.

Savannah State College reserves the right to require that any applicant for admission take appropriate intelligence, aptitude, and physical examinations in order to provide information bearing on his ability to pursue successfully courses of study in which he wishes to enroll, and the right to reject any applicant who fails to pass such examinations.

REQUIREMENTS FOR REGULAR ADMISSION

To be admitted as a regular degree-seeking student an applicant must meet the conditions specified above and in addition:

1. Must be a graduate of an accredited or approved high school, or he must have completed successfully the General Education Development (GED) Test. Proof of this completion must be verified by the GED certificate;
2. Must have taken the Scholastic Aptitude Test (SAT) and achieved a score of 750 or more on the combined verbal and mathematics section. Student scoring below 750 (or below 330 on either math or verbal sections) may be considered for Admission to the Special Studies Program.
3. Pay a ten dollar non-refundable application fee.

REQUIREMENTS FOR CONDITIONAL ADMISSION

A student who does not meet the above requirements for regular admission will be conditionally admitted to the college if he/she meets *at least one* of the following specific requirements:

1. a high school point average of 1.8 or better (this grade point average is to be based on academic course-work only)
OR
2. a score of not less than 250 on the verbal section of the Scholastic Aptitude Test
OR
3. a score of not less than 280 on the mathematics section of the Scholastic Aptitude Test

CONDITIONAL ADMISSION

Applicants for admission whose scores on the combined verbal and mathematics sections of the Scholastic Aptitude Test are less than 750, will be granted Conditional Admission until they have taken the Basic Skills Examination (BSE) in English, Reading, and Mathematics, and have achieved satisfactory scores on each test. Those students whose scores on the BSE are satisfactory will be granted regular admission. The "conditional admission" status will be continued for those students whose scores are unsatisfactory on any one of the BSE components. These students will be referred to the Department of Special Studies where they will be required to follow a course of study especially designed to assist them in overcoming any deficiencies in knowledge or skills revealed by the test results. They will be granted regular admission status and permitted to take college level courses only after they have achieved passing scores on the Basic Skills Examination.

DEVELOPMENTAL STUDIES PROGRAM

The Developmental Studies program is designed for entering students who have demonstrated marked deficiencies in English, Reading, and Mathematics.

A "Developmental Studies Student" is any student whose score on either of the BSE Tests was lower than the passing score given below. Such students must take all Developmental Studies courses (courses numbered 99 or below), unless the results of their BSE Tests place them in one of the following categories:

1. *Students who pass both the English and Reading tests but fail the Mathematics test.* These students are only required to take Developmental Studies Mathematics; they may enroll in any 100 level course except Mathematics or courses having Mathematics as a prerequisite.
2. *Students who pass the Mathematics test but fail either the English or Reading Test.* These students may take 100 level Mathematics courses. All other courses, except for Physical Education Seasonal Activities courses, and Freshman Orientation, must be Developmental Studies courses.

Developmental Studies Students will have one year in which to demonstrate proficiency in those areas in which they were initially deemed deficient. Such proficiency may be demonstrated by attaining the score on the BSE Tests originally established as the passing score (63 in English, 63 in Reading, 63 in Mathematics). Students who do not demonstrate such proficiency within one year will not be permitted to continue matriculation at Savannah State College unless special approval has been recommended by the Developmental Studies Department and approved by the Vice President for Academic Affairs.

TRANSFER STUDENTS

General policies governing admission of transfer students and acceptance of credit toward advanced standing are as follows:

1. All regulations applicable to students entering college for the first time shall be applicable to student transferring from other colleges, insofar as the regulations are pertinent to the applications of transfer students.
2. A student transferring from another college will supply the Director of Admissions with transcripts of his records at colleges previously attended. These transcripts must be sent directly from the registrars at the previous colleges to the Director of Admissions. The Director of Admissions will determine the applicant's academic qualifications on the basis of these transcripts. An applicant will not be considered for admission unless transcripts of his record show honorable discharge from colleges attended.
3. A student transferring from another college must show that at some time he has taken the College Entrance Examination Board Scholastic Aptitude Test.
4. Transfer applicants must pay a \$10.00 non-refundable application fee.
5. Persons who have earned grades of "C" or higher in courses taken at accredited colleges and who, in the judgement of the Committee on Admissions, have presented otherwise satisfactory credentials may be admitted.

Those courses that are equivalent to courses offered at Savannah State College will be accepted toward advanced standing, provided that a grade of "C" or higher was earned. Students transferring from any unit within the University System of Georgia will be credited for courses on the same basis as students originally enrolled at Savannah State College.

6. Credit allowed for extension, correspondence, CLEP examination or military service schools shall not exceed a total of 45 quarter hours.
7. A transfer student who has earned excessive credit in freshman and sophomore courses may not be granted credit in excess of 90 quarter hours below the junior class level. No more than a total of 135 quarter hours will be acceptable as transfer credit.
8. The college reserves the right to *reject* any or all credits from other institutions notwithstanding their accredited status when it determines through investigation or otherwise that the quality of instruction at such institutions is for any reason deficient or unsatisfactory. The judgement of the college on this question shall be final.
9. The evaluation of transfer credit is given a student upon admission. The college reserves the right to disallow transfer credit for courses if the student's subsequent grades in required courses in the same subject fall below average.

TRANSIENT STUDENTS

A student who has taken work in another college may apply for the privilege of temporary registration at Savannah State College. Such a student will ordinarily be one who expects to return to the college in which he was previously enrolled.

The following policies shall govern the admission of students with transient status:

1. The admissions officer of Savannah State College must be furnished evidence that the institution the student previously attended was an accredited or approved institution.
2. An applicant will be accepted as a transient student only when it appears that the applicant's previous academic work is of a satisfactory or superior quality. The Director of Admissions shall have the right to require the applicant to submit a transcript of his previous college work.
3. An applicant for admission as a transient student must present a statement from the dean or registrar of the institution that he last attended recommending his admission as a transient student. A transcript is not normally required.

SPECIAL STUDENTS

Persons who desire to enroll in a course or courses but who do not intend to complete a specific degree or other program may register as special students. A total of 45 quarter hours may be taken as special student. Any special student who decides subsequently to enroll in a regular college program must then satisfy all of the requirements of regular admission.

READMISSION OF FORMER STUDENTS

A student who has not been enrolled at Savannah State College for one or more quarters must apply for readmission on a form provided by the Admission Office. This requirement does not apply to students who do not register for courses during the summer quarter. A former student who has not attended another college since leaving Savannah State may be readmitted provided he is not on suspension at the time he wishes to reenter. A former student who has attended another college since leaving Savannah State must meet requirements for readmission as a transfer student or as a transient student, whichever is applicable. A student who is readmitted after an absence from the College for more than two years must meet degree requirements as listed in the bulletin in effect at the time of his return. An additional application fee is not required.

AUDITORS

Regularly enrolled students at Savannah State College may be permitted to audit courses, provided permission is obtained from the instructor in charge of the course and the Dean of the College. A student auditing the course will not be placed on the rolls and no report will be made to the Registrar.

Members of the faculty or staff of Savannah State College may audit courses, provided permission is obtained from the department concerned and the Registrar.

INTERNATIONAL STUDENTS

A student from a country other than the United States who is interested in attending Savannah State College should write to the Director of Admissions, Savannah State College, Savannah, Georgia 31404 U.S.A. The student must meet the following requirements for admission:

1. A completed application for admission with a \$10.00 application fee, which must be in the form of a money order or a certified check. This application must be submitted at least 30 days prior to the beginning of the quarter for which the student wishes to be admitted.
2. Official transcript(s) of academic record mailed to Admissions Office with an official translation.
3. Scholastic Aptitude Test of the College Entrance Examination Board may be taken at the testing center nearest the applicant's home. The scores must be sent to Savannah State College.
4. A prospective student must submit evidence of financial ability to pursue his education full-time in this country. No financial aid is available for international students. All international students are required to pay out-of-state tuition, unless they are under the sponsorship of an approved local organization. It is required that the student take the Test of English as a Foreign Language (TOEFL) and ask that the results be sent to Savannah State College. The minimum acceptable TOEFL score of 500 is required for admission of foreign students.

After the completed application form is returned, along with all other necessary materials, the applicant will be sent an I-20 Form. If this I-20 Form is not used for the quarter applied, it must be returned for our records before another can be issued.

There is an International Student Club and an International Student Advisor to assist international students in adjusting to campus life. All international students should confer with the international students' advisor (Dr. K.B. Raut, Room 231, Griffith-Drew Hall) upon arrival on campus.

COLLEGE CREDIT BY EXAMINATION AND EXPERIENCES

In an attempt to individualize the education of students, a program allowing credit by examination has been initiated at the College. Through this program a student may bypass subjects he or she has already mastered and pursue more advanced work.

A student may earn up to a total of forty-five hours of credit by examination on the basis of College Level Examination Program (CLEP) scores, scores earned under the Advanced Placement Program (AP) of the College Board and/or military service schools.

To earn CLEP credits on the general examination a student must obtain scores at or above the thirty-fifth percentile to receive college credit.

To earn CLEP credit on the subject area examinations, a student must obtain scores at or above the fiftieth percentile. In addition, a student may earn credit for each AP Examination on which he achieves a score of three or higher.

Credit will be granted for military service schools and experience as recommended by the Commission on Accreditation of Service Experiences of the American Council on Education.

Inquiries concerning test administration dates, validation of CLEP or AP scores, or other interpretation should be directed to the Admission or Comprehensive Counseling Offices of the College.

REGENT'S STATEMENT OF DISRUPTIVE BEHAVIOR

The following is the policy of the Board of Regents regarding disruptive behavior in any institution of the University System. The rights, responsibilities and prohibitions contained in this statement are incorporated as a part of these regulations.

The Board of Regents of the University System of Georgia reaffirms its policies to support fully freedom of expression by each member of the academic community and to preserve and protect the rights and freedoms of its faculty members to engage in debate, decision, peaceful and nondisruptive protest and dissent. The following statement relates specifically to the problem described below. It does not change or in any way infringe upon the Board's existing policies and practices in support of freedom of expression and action. Rather it is considered necessary to combat the ultimate effect of irresponsible disruptive and obstructive actions by students and faculty which tend to destroy academic freedom and the institutional structures through which it operates.

In recent years a new and serious problem has appeared on many college campuses in the nation. Some students, faculty members, and others have on occasion engaged in demonstrations, sit-ins, and other activities that have clearly and deliberately interfered with the regular orderly operation of the institution concerned. Typically, these actions have been the physical occupation of a building or campus area for a protracted period of time or the use of verbal or written obscenities involving indecent or disorderly conduct.

These actions have gone beyond all heretofore recognized bounds of meetings for discussions, persuasion, or even protest in that: (1) acquiescence to demands of the demonstrations is the condition for dispersal, and (2) the reasonable and written directions of institutional officials to disperse have been clearly ignored. Such activities thus have become clearly recognizable as an action of force, operating outside all established channels on the campus, including that of intellectual debate and persuasion which are at the heart of education.

The Board of Regents is deeply concerned by this new problem. Under the Constitution of the State of Georgia, under all applicable court rulings, and in keeping with the tradition of higher education in the United States, the Board is ultimately responsible for the orderly operation of the several institutions of the University System and the preservations of academic freedom in these institutions. The Board cannot and will not divest itself of this responsibility.

Of equal or even greater importance, such actions of force as had been described above destroys the very essence of higher education. This essence is found in the unhampered freedom to study, investigate, write, speak, and debate on any aspect or issue of life. This freedom, which reaches its full flowering on college and university campuses, is an essential part of American democracy, comparable to the jury system or the electoral process.

For these reasons and in order to respond directly and specifically to this new problem the Board of Regents stipulates that any student, faculty member, administrator, or employee, acting individually or in concert with others, who clearly obstructs or disrupts, or attempts to obstruct or disrupt any teaching, research, administrative, disciplinary or public service activity, or any other activity authorized to be discharged or held on any campus of the University System of Georgia is considered by the Board to have committed an act of gross irresponsibility and shall be subject to disciplinary procedures, possibly resulting in dismissal or termination of employment.

The Board reaffirms its belief that all segments of the academic community are under a strong obligation and have a mutual responsibility to protect the campus community from disorderly, disruptive, or obstructive actions which interfere with academic pursuits or teaching, learning, and other campus activities.

The Board of Regents understands that this policy is consistent with resolutions adopted by the American Colleges in January, 1968, and by the Executive Committee of the Association for Higher Education in March, 1968, condemning actions taken to disrupt the operations of institutions of higher education.

STUDENT LOAD

Under ordinary circumstances a student may enroll in courses up to but not in excess of eighteen (18) quarter hours. Exceptions may be made for students who are within two quarters of graduation, provided that total hours carried for credit do not exceed twenty-one (21). Credit for an overload will not be granted, however, unless it has been recommended by the students' advisor and approved by the Academic Vice-President.

THE GRADING SYSTEM

The college uses letters to indicate quality of academic work. A is the highest grade; D is the lowest passing grade. Grade distinctions and quality points values are:

Grade	Meaning	Quality Point Value
A	Excellent	4 per credit hour
B	Good	3 per credit hour
C	Average	2 per credit hour
D	Poor	1 per credit hour
F	Failure	0 per credit hour
WF	Withdrew, failing	0 per credit hour

The grade "F" indicates that the student has failed to meet the minimum requirements of the course.

All courses in the major, minor, professional educational or freshman English in which the grade of D is earned must be repeated. The grade of D, like higher grades, can be raised only by repeating the course in which the D was earned.

The following grades also used, but are not included in the determination of the grade of the grade point average.

I (Incomplete) — This symbol indicates that a student was doing satisfactory work, but for non-academic reasons beyond his control, was unable to meet the requirements of the course. The student may remove the I by completing the remaining requirements within three quarters of residence: otherwise the grade of I will be changed to the grade of F by the Registrar. It is the student's responsibility to initiate the completion of unfulfilled requirements with the instructor.

W (Withdrawal) — This symbol indicates that a student was permitted to withdraw without penalty. Withdrawals without penalty will not be permitted after the mid-point of the total grading period (including final examinations), except in cases of hardship as determined by the Academic Vice-President.

ACADEMIC REGULATIONS

Academic Advisement

Each student at Savannah State College is assigned an advisor who has the responsibility of assisting the student in planning and completing an appropriate academic program. The Dean of the Academic School provides general direction to the advisement program, with department heads coordinating activities within their respective areas, assigning advisors to students majoring in the academic discipline(s) for which division or department is responsible. The Director of the Comprehensive Counseling Center assigns advisors from his staff to those students who are undecided about the discipline in which they will major. Each student is required to plan his or her academic program with the advisor's assistance, and to obtain the advisor's approval of his schedule of courses each Quarter. Each advisor has the responsibility of counseling with his advisees about the appropriateness of the academic program they have selected as well as the appropriateness of the schedules of courses selected by the advisee to the timely completion of that program. In addition, the advisor has the responsibility of monitoring the academic progress of his advisees, and of assisting them in evaluating their progress and in making decisions about their present and future academic careers based upon that evaluation.

Advisors of junior and senior students will concern themselves specifically with the student's progress toward graduation, maintaining a continually updated record of courses taken and grades received. The advisor will also assist his advisees in completing the Application for Graduation, and will certify to the Registrar that all requirements had been met up to the time that the Application was prepared.

CLASS ATTENDANCE

In classroom exercises and in laboratory and other class related activities, Savannah State College endeavors to provide optimum conditions for student learning. Class attendance is therefore required of all students in order to ensure that they will have at least been exposed to the many opportunities that are provided for their benefit. It is recognized, however, that extenuating circumstances may at times make it difficult for students to meet this requirement. The following exceptions are provided to take care of such contingencies. Any student is allowed unexcused absences equal to the number of credit hours that a particular course carries. In addition, excused absences may be granted by the head of the department in which the student is majoring, in circumstances involving personal illness or injury, or the illness or death of a close relative. Students who exceed the allowable number of unexcused absences in any course will receive the grade of F in that course.

In order to obtain a grade of W, the student must have withdrawn formally by filing the appropriate forms with the Registrar, who in turn will notify the instructor, listing the date on which the withdrawal occurred.

S (Satisfactory) — This symbol indicates that credit has been given for completion of degree requirements other than course work. The use of this symbol is approved for thesis hours, student teaching, clinical practicum, and internship.

U (Unsatisfactory) — This indicates that an unsuccessful effort was made in one of the above categories.

V (Audit) — This symbol indicates that a student was given permission to audit the course. Students may not transfer from audit to credit or vice versa.

K (Credit) — This symbol indicates that a student was given credit for the course via a credit — by examination program approved by his department.

REPORTING OF GRADES

At Mid-quarter, and at the end of the quarter each faculty member submits to the Office of the Registrar the Grade Reports for each of his classes. These Reports are prepared in multiple copies, with copies for the Registrar, the Academic Vice-President, the Department head, and the Instructor. In addition, each student receives a Grade Report at the end of each quarter containing the grades and credit hours earned in each course in which he was enrolled, his grade-point average for the quarter, and his cumulative grade-point average.

Mid-quarter grade reports contain grades for students whose work in a course is below the C level at mid-quarter. The Office of the Registrar sends copies of such reports to the students, their parents or guardian(s), and to the department heads.

CHANGES IN GRADES

Once a grade has been reported to the Registrar it can be changed only under the following conditions:

1. Upon presentation to the Academic Vice-President of the College of conclusive, documentary evidence that the grade was reported in error;
2. By following the procedure for removal of an I (incomplete) grade; or
3. Upon the recommendation by a committee appointed to conduct a hearing of a student's challenge of a grade, and the acceptance of that recommendation by the Vice President.

GRADE CHALLENGES BY STUDENTS

A student who feels that he has received an unfair grade in any course may challenge that grade by writing a letter of appeal to the head of the department in which the course was offered. Upon receipt of an appeal letter the department head consults with the instructor, either with or without the student, in an effort to effect a resolution. If a resolution satisfactory to the student is not effected, the department head appoints a Review Committee (exclusive of both the department head and the instructor). The Review Committee, after hearing both the instructor and the student, submits its report and recommendation to the Academic Vice-President (through the department head). If the Vice-President accepts the Review Committee's recommendations that the grade be changed or if he reverses a recommendation that a grade not be changed, he directs the Registrar to make the appropriate change on the student's record.

CALCULATING THE CUMULATIVE AVERAGE

The cumulative grade point average will be calculated by dividing the number of hours in all courses attempted in which a grade of A, B, C, D, F, or WF has been received into the number of grade points earned. The cumulative grade point average will be recorded on the student's permanent record. Institutional credit shall in no way affect the cumulative grade point average.

RECOGNITION OF EXCELLENCE IN SCHOLARSHIP

Persons who have not been subject to disciplinary action while earning superior grades, and who likewise, have not incurred any academic deficiencies, are eligible for honors status as here indicated:

1. Students who maintain an average of B in not less than a normal load during a given quarter are eligible for listing on the Honor Roll.
2. Students who maintain an average of 3.50 or higher, in a full program in a quarter will have their names placed on the Dean's List for that quarter.
3. Students who maintain an average of 3.00 during any quarter may secure permission to take additional hours during the following quarter, the total not to exceed twenty hours. Additionally, students whose general average is 3.00 or better may be permitted to take quarter hours in excess of a normal load up to a limit of 20 quarter hours.

GRADUATION HONORS

Graduation with honors is based upon completion of a minimum attendance period of six quarters and completion of at least ninety hours at Savannah State College. In addition, students who graduate with honors must attain the following grade-point averages for the entire period of college attendance:

Cum Laude	3.00
Magna Cum Laude	3.40
Summa Cum Laude	3.75

ACADEMIC PROBATION AND SUSPENSION

Savannah State College is operated for students who demonstrate seriousness of purpose and ability and disposition to profit by college work. Students who fail to fulfill the scholarship requirements of the institution are subject to scholastic discipline. At the end of each quarter the Office of the Registrar computes cumulative grade-point averages in order to determine the academic standing of all students in residence. At that time the Registrar shall notify the Vice-President for Academic Affairs of the College prior to notification of students and their parents or guardians of the academic probation, suspension, or dismissal of students. In addition, he shall notify other appropriate personnel of this action.

1. Any student who earns a D or F in English 107, 108, or 109 or in any course required in his major or minor must repeat the course during the next quarter that it is offered.

2. Stages of Progress Quarter Hours	Minimum Cumulative Grade Point Average
1-45	1.5
46-90	1.7
90-120	1.9
121 and above	2.0

A student whose cumulative grade point average at the end of any quarter is at or above the minimum grade point average for his appropriate stage of progress will be considered in *good standing*.

A student whose cumulative grade point average first falls below the minimum grade point average for his stage of progress will then be placed on *academic warning*.

A student on academic warning whose cumulative grade point average is not raised to the satisfactory level for his stage of progress at the end of the quarter will then be placed on *academic probation*.

A student who does not achieve the cumulative grade point average for his stage of progress, but does maintain a 2.0 grade point average for his probationary quarter will be continued on probation for the next quarter of attendance.

A student who does not raise his grade point average to the minimum level for his stage of progress or achieve a 2.0 grade point average during his probationary quarter will be *suspended* from the college for one quarter.

3. A student on probation (1) may not register for less than ten hours and not more than thirteen hours; (2) must repeat all courses in which he earned the grade of F that are prescribed in his curriculum and all courses in his major and minor concentration and Freshman English in which he earned the grade of D; (3) must report to his academic advisor for counseling immediately after being notified of his probationary status, and (4) will not be permitted to represent the College or hold office in any college organization.
4. Any student who fails all of his classes during a given quarter, or who withdraws from all of his classes without an approved withdrawal from the college, will not be permitted to enroll for the succeeding quarter.
5. A student who has been suspended for academic reasons may be readmitted when he has complied with the following procedures:
 - a. Submission of an Application for Readmission at least thirty (30) days prior to the beginning of the quarter that he expects to return;
 - b. Submission of evidence of increased motivation and maturity.

The College reserves the right to deny admission to any student who has been suspended for academic reasons.

6. Application for Readmission are considered by the Committee on Admission on the basis of detailed information concerning the cause of failure, academic goals, entrance tests, college grades previously earned, length of absence, motivation, outside commitments, and recommendations from appropriate personnel.
7. A student readmitted after suspension will be placed on academic probation and will be subject to the regulations listed in number two above.

WITHDRAWING FROM COLLEGE

Students at Savannah State College are regarded as young adults who are capable of making mature decisions, with minimum counseling, about their educational plans. Accordingly, any student who feels that the circumstances require his withdrawal from the college may do so by filing the appropriate forms in the office of the Dean of Students. The Dean of Students will counsel with the student in an effort to determine whether the circumstances are such that the College can provide a remedy which will make it possible for the student to remain in school. If such remedy cannot be afforded, the Dean of Students, or his designated representative, will formally approve the request for withdrawal and forward the appropriate forms to the offices of the Academic Vice-President, the Registrar, and the Comptroller.

Students not able to follow this procedure should write or have a representative write to the Dean of Students, requesting permission to withdraw. Students who withdraw without giving formal notice will forfeit claims for any refunds.

EXTENDED SERVICES PROGRAM

Savannah State College, through its Extended Services Program, and Joint Savannah State College/Armstrong State College Downtown Continuing Education Center, offers a variety of services to the urban and inner-city communities.

Extended Services consists of a variety of programs designed to supplement the regular academic programs efforts to meet the growing needs of these constituents.

DSSP Program

The Division of Student Support and Special Programs, one of Extended Services Programs, embraces the Upward Bound Program.

The Upward Bound Program seeks to help raise the academic and cultural levels of eleventh and twelfth grade students who prepare themselves to pursue such work successfully. The Upward Bound Project apprises them of educational opportunities in the form of scholarships and other aids which are open to them.

Community Preparedness Center

The Community Preparedness Center's responsibilities are two-fold. First, the center provides educational workshops, short courses, clinics and seminars to schools, churches, community, and social service groups as well as individuals. These programs are geared to meet the needs of a particular group including such areas as: Pre-Employment Guidance, Career/Vocational Exploration, Legal Services, Human Resources Services, Consumer Education and departmental non-credit courses.

Secondly, the Center attempts to identify members of the community who show interest in attending college and who possess a strong potential for success but who may be lacking in motivation or current information. This College-Prep area of the Center provides testing, remedial assistance, and general guidance.

Correspondence Program

The Correspondence Program — In addition to instruction on the campus, Savannah State College is authorized to offer college correspondence courses. Such courses have become recognized sources of public education, reflecting a sense of obligation to those who cannot undertake resident instruction and to those who do not require resident instruction for personal growth and enrichment.

Students registering in correspondence study should meet the minimal requirements of graduation from an accredited high school.

College correspondence study is designed as an auxiliary to regular campus classroom study. The courses follow the same general outline used in the classroom. Study materials and instructors are often the same as those in residence.

Courses completed in this program and courses completed in a similar program at recognized institutions will be accepted for credit toward graduation at Savannah State College under the following conditions:

1. Not more than 45 quarter hours may be earned in correspondence.
2. Not more than 50% of the required courses in the major or minor may be completed in correspondence.
3. Courses in the professional education sequence may not be taken in correspondence study.
4. Course may not be taken in correspondence study to remove deficiencies earned in residence.
5. Correspondence courses may not be taken by students who have completed 135 or more quarter hours.

Students desiring to have correspondence credit counted toward graduation should obtain written permission from the chief academic officer of the college and present this statement to the Correspondence Study Office.

Information concerning courses, credit, fees, examinations, textbooks, etc., may be obtained from:

Correspondence Study Office
Savannah State College
Savannah, Georgia 31404

EVENING, WEEKEND, AND SWING PROGRAM

Savannah State College has seen the importance of reaching greater varieties of people and meeting varied educational needs through the establishment of the Weekend, Evening, and Swing Program. This program aims to provide greater educational opportunities for working adults who find it necessary to combine work with school.

Courses in Evening, Weekend, Swing are offered by faculty members from various departments in the School of Business, School of Humanities and Social Science, and the School of Science and Technology. For description of the courses, refer to the listings in the catalog.

Admissions Policies and Procedures:

The applicant will follow the same procedures as stated by the College for admission.

PROGRAM DESCRIPTION

Evening Program

The Evening Program allows a person who is employed full-time during the day to attend classes during the evenings. Presently, the program consists of four class periods held nightly, Monday through Thursday. Classes are scheduled either Monday and Wednesday or Tuesday and Thursday at following hours:

First Class Period:	6:00 p.m. - 8:10 p.m.
Second Class Period:	8:20 p.m. - 10:30 p.m.

This arrangement gives the student an opportunity to earn twelve (12) or more credit hours per quarter, which qualifies him as a full-time student.

Weekend Program

The Weekend Program is a new venture which makes a college education available to people of the community who are unable to attend classes scheduled in the regular day or evening programs. This program consists of four class periods held Friday through Sunday and allows a student to earn twelve (12) or more credit hours per quarter. Classes meeting the first hour Friday will meet the first hour Saturday, etc.

FRIDAY	1st Hr.	6:00 p.m.	—	8:10 p.m.
	2nd Hr.	8:20 p.m.	—	10:30 p.m.
SATURDAY	1st Hr.	8:00 a.m.	—	10:10 a.m.
	2nd Hr.	10:20 a.m.	—	12:30 p.m.
	3rd Hr.	1:00 p.m.	—	3:10 p.m.
	4th Hr.	3:30 p.m.	—	5:30 p.m.
SUNDAY	3rd Hr.	1:00 p.m.	—	3:10 p.m.
	4th Hr.	3:20 p.m.	—	5:30 p.m.

Swing Program

The Swing Program is set up primarily to serve those persons who are employed in swing shift jobs. Dual classes are scheduled for the mornings and evenings in order that a student working swing shift may also "Swing" classes.

SENIOR CITIZENS

Residents of Georgia, sixty-two years of age or older at the time of registration, may enroll in courses for credit or as auditors on a space available basis, with waiver of matriculation fees. They will be required, however, to pay for supplies, etc., that might be necessary for a given course. The individual must present a birth certificate or other comparable documentation of age to qualify for the waiver of fees and must meet all requirements for admission to the college. Further information on this program is available from the Office of Admissions.

PREPROFESSIONAL PROGRAMS

Savannah State College offers preprofessional training for persons interested in pursuing such paramedical careers as medical technology, nursing, physical therapy, medical illustration, medical social work, and medical secretary. Pre-professional study is also provided for persons desiring to enter the professions of engineering, law, medicine, veterinary medicine, dentistry and pharmacy.

GEORGIA INTERN PROGRAM

Students who are enrolled full-time at Savannah State College are eligible to participate in the Georgia Legislative Internship Program. Students selected to participate in the Program are assigned to a legislative office or to legislative committees in either the House or Senate, and work directly under and are responsible to the office head or committee chairman. The first hand experience of observing and participating in the legislative process is considered as part of the student's academic program and the student may receive academic credit for such participation. The program at Savannah State College is under the general direction of the head of the Department of Social and Behavioral Sciences.

THE LIBRARY

A modern library with a well-prepared staff serves the college and community. It houses over 102,000 cataloged volumes, approximately 906 periodicals, over 175,000 microforms, and 14,000 bound periodicals. Approximately 8,000 volumes are added yearly to keep the collection up to date. There is an extensive collection of materials by and about Black Americans.

The present library, which provides excellent facilities, was occupied in January of 1977. There are many conference and individual study areas, an a-v department, a curriculum materials center, open stacks, a smoking lounge, a classroom and typing facilities. The library can house 290,000 volumes. It is easily distinguishable from the other buildings on campus because of its shape. The library is the cultural and intellectual center of the college.

FEES AND EXPENSES

FEE SCHEDULE FOR FALL QUARTER, 1981

		Nonresident		Nonresident
	Day	Day	Boarding	Boarding
Matriculation	187.00	187.00	187.00	187.00
Nonresident Tuition . .		350.00		350.00
Health Fee	25.00	25.00	25.00	25.00
Student Activity Fee . .	20.00	20.00	20.00	20.00
Athletic Fee	20.00	20.00	20.00	20.00
Board			275.00	275.00
Room			210.00	210.00
Laundry			20.00	20.00
Totals	252.00	602.00	757.00	1,107.00

ALL FEES ARE DUE AND PAYABLE AT REGISTRATION. PLEASE MAKE A CASHIER'S CHECK, BANK OR POSTAL MONEY ORDER PAYABLE TO SAVANNAH STATE COLLEGE. CHECKS SHOULD BE MADE FOR THE EXACT AMOUNT OF THE FEES. SEPARATE CHECKS SHOULD BE MADE FOR BOOKS AND SUPPLIES AND CASH ALLOWANCES. LATE FEE ON THE FIRST DAY IS \$5.00 WITH AN ADDITIONAL \$1.00 EACH DAY THEREAFTER, NOT TO EXCEED \$7.00.

THE COST TO REPLACE MEAL CARDS IS \$6.00.

ON-CAMPUS TUITION — \$16.00 PER CREDIT HOUR — MAXIMUM \$187.00.

NONRESIDENT FEES — \$30.00 PER CREDIT HOUR — MAXIMUM \$350.00.

OFF-CAMPUS CENTERS — GEORGIA RESIDENT — \$20.00 PER CREDIT HOUR.

NONRESIDENT — \$30.00 PER CREDIT HOUR.

MARRIED STUDENT'S APARTMENTS: MONTHLY RATE

- | | |
|--------------------------|----------|
| 1. EFFICIENCY APARTMENT | \$170.00 |
| 2. ONE-BEDROOM APARTMENT | \$200.00 |

THE COLLEGE RESERVES THE RIGHT TO MAKE CHANGES IN ITS FEES AT THE BEGINNING OF ANY QUARTER AND WITHOUT PRIOR NOTICE.

NOTICE! THE COLLEGE WILL NOT ACCEPT PERSONAL CHECKS!

EXPLANATION OF FEES

APPLICATION FEE — A student applying for admission is required to pay a **NON-REFUNDABLE** application fee of \$10.00. This fee will not be credited toward other expenses.

ROOM DEPOSIT — Entering students and continuing students who live in the college dormitories are required to submit a room deposit of \$50.00 with their requests for room assignment. Upon registration, \$25.00 will be credited toward the student's rent for the quarter. The remaining \$25.00 will serve as a damage/room clearance deposit to be required upon withdrawal from the college and proper clearance with the housing office. If the student is not accepted by the college, the \$50.00 will be returned in full. An applicant who after acceptance for admission, decides not to enroll at Savannah State College may be refunded 80% of the \$50.00 deposit by requesting a refund in writing at least twenty days prior to the registration date for the quarter in which accepted. (See Housing Contract for additional information.)

HEALTH FEE — A charge of \$20.00 per quarter is required of each student to finance limited clinical services, bed care in the infirmary for minor illness, and general dispensary care.

LATE REGISTRATION FEE — Students who fail to register on the regular registration day will be charged a late registration fee of \$5.00 for the first day and \$1.00 each for the second and third days, the total not to exceed \$7.00.

GRADUATION FEE — A charge of \$20.00 is made to all undergraduates to cover the cost of diploma and rental of cap and gown which is payable upon filing for graduation. All graduate students must pay \$20.00 to cover cost of diploma, hood and rental of cap and gown. These fees are payable to the Cashier-Comptroller's Office and are not refundable.

MATRICULATION FEE — The charge for matriculation is \$178.00 per quarter for students registering for twelve (12) or more quarter hours. Students registering for less than twelve (12) quarter hours will be charged a matriculation fee at the rate of \$15.00 per quarter hour.

NON-RESIDENT TUITION — Students with residence outside of Georgia, registering for twelve (12) or more quarter hours will be charged non-resident tuition of \$318.00 per quarter.

Students with residence outside of Georgia registering for less than twelve (12) quarter hours, will be charged non-resident tuition at the rate of \$27.00 per quarter hour.

CAMPUS RESIDENCY POLICY — Effective September 1, 1975, in accordance with the policies of Savannah State College, all freshman, sophomore, and junior students who are not residents of Chatham County and who are not commuting from their homes outside of Chatham County will be required to reside in the dormitories on the campus of Savannah State College. All students are required to take the Three-Meal Plan.

Students are not required to live on the campus during the summer quarter, but those who elect to live in the dormitories must purchase at least two meals.

MARRIED STUDENTS DORMITORY — Effective the Fall Quarter¹ 1978, a dormitory for legally married students enrolled for at least 10 credit hours will be available for leasing at the following rate: one-bedroom apartment, \$430 per quarter; efficiency, \$345 per quarter.

REFUND OF FEES

Students ill at home or otherwise unable to follow the official procedure for withdrawing, should write or have someone write to the Dean of Students, requesting permission to withdraw.

No refund of fees for any term will be authorized unless the foregoing procedure is completed before the end of such term. The matriculation fee and non-resident fee are subject to the following refund policy which was adopted by the Board of Regents on January 20, 1947:

For students who withdraw during the first 7 days (including the first day of registration) of the quarter, 80% of the fees may be refunded; for students who withdraw during the second 7-day period a refund of 60% will be made; for students who withdraw no later than the end of the third 7-day period following registration, a refund of 40% may be granted; for students who withdraw during the fourth 7-day period following the scheduled registration date, a refund of 20% will be granted. No refund will be made to students who withdraw after the end of the fourth 7-day period following registration. (Only matriculation and non-resident fees will be refunded.)

Room, board and laundry charges will be made through the end of the week during which the student withdraws. A student who wishes to withdraw from the dining hall and dormitories must secure a permit from the personnel dean. This permit when submitted with the dining hall meal book will entitle the student to a refund.

The student activity and health fees are not refundable. In addition, refunds will not be made to students who do not withdraw officially; nor will refunds be given for reduced loads.

All refunds will be processed and mailed to the students within two weeks following the end of the refund period.

VEHICLE USE ON CAMPUS — "All vehicles owned or used on campus by members of the student body, faculty, and staff of Savannah State College will be registered with the Business Office in accordance with current directives. Additional details on registration should be obtained at the Office of Security. A valid driver's license, motor vehicle registration papers, and proof of insurance are required.

UNIVERSITY SYSTEM OF GEORGIA RESIDENCY REQUIREMENTS

To be considered a *legal* resident of Georgia, the applicant must establish the following facts to the satisfaction of the Registrar.

1. (a) If a person is 18 years of age or older, he or she may register as a resident student only upon showing that he or she has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.

(b) No emancipated minor or person 18 years of age or older shall be deemed to have gained or acquired in-state residence status for fee purposes while attending any educational institution in this State, in the absence of a clear demonstration that he or she has in fact established legal residence in this state.
2. If a person is under 18 years of age, he or she may register as a resident student only upon showing that his or her supporting parent or guardian has been a legal resident of Georgia for a period of at least twelve months immediately preceding the date of registration.
3. A full-time faculty member of the University System and his or her spouse and dependent children may register upon the payment of resident fees even though he or she has not been a legal resident of Georgia for the preceding twelve months.
4. Non-resident graduate students who hold teaching or research assistantships requiring at least one-third time service may register as students in the institution in which they are employed on payment of resident fees.
5. Full-time teachers in the public schools of Georgia and their dependent children may enroll as students in the University System institutions on the payment of resident fees, when such teachers have been legal residents of Georgia for the immediately preceding nine months, were engaged in teaching during such nine month period, and have been employed to teach full-time in the public schools of Georgia during the ensuing school year.
6. All aliens shall be classified as non-resident students; provided, however, that an alien who in living in this country under a visa permitting permanent residence shall have the same privilege of qualifying for resident status for fee purposes as a citizen of the United States.
7. Foreign students who attend institutions of the University System under financial sponsorship of civic or religious groups located in this State, may be enrolled upon the payment of resident fees, provided the number of such foreign students in any one institution does not exceed the quota approved by the Board of Regents for this institution.

8. If the parents or legal guardians of a minor change their legal residence to another state following a period of legal residence in Georgia, the minor may continue to take courses for a period of twelve consecutive months on the payment of resident fees. After the expiration of the twelve month period the student may continue his registration only upon the payment of fees at the non-resident rate.
9. In the event that a legal resident of Georgia is appointed as guardian of a non-resident minor, such minor will not be permitted to register as a resident student until the expiration of one year from the date of court appointment, and then only upon proper showing that such appointment was not made to avoid payment of the non-resident fees.

DEGREE AND GRADUATION REQUIREMENTS

GENERAL REQUIREMENTS FOR THE BACCALAUREATE DEGREE

1. A minimum of 185 quarter hours, including health, physical education, and orientation.
2. A scholastic average of "C" or higher.
3. Satisfactory completion of the minimum requirements of the Core Curriculum as outlined for Area I, II, and III, and in the specific degree programs for Area IV.
4. Satisfactory completion of the University System of Georgia Language Skills (Rising Junior) Examination.
5. A prescribed divisional or departmental major (such as business administration, chemistry, education, or engineering technology) or a major of at least 45 hours in one department and a minor of 30 hours in another department, with no grade below "C" in major, minor, or special subject requirements. Certain major courses must be taken in residence at this College.
6. Residence of at least one year at Savannah State College. Students who entered the college in September 1955 and thereafter are required to spend the senior year in residence.
7. Satisfactory completion of the major comprehensive examination as prescribed by the specific department in which the student is majoring.
8. Completion of all the above requirements within eight calendar years. The College reserves the right to allow exceptions to the requirements when recommended by the head of the department in which the student is majoring.
9. Submission of a formal application for the degree to the Office of the Registrar in accordance with the time schedule listed in the College Calendar.

REGENTS' TESTING PROGRAM

"Each institution of the University System of Georgia shall assure the other institutions, and the System as a whole, that students obtaining a degree from that institution possess literacy competence, that is, certain minimum skills of reading and writing.

"The Regents' Testing Program has been developed to help in the attainment of this goal. The objectives of the Testing Program are: (1) to provide Systemwide information on the status of student competence in the areas of reading and writing; and (2) to provide a uniform means of identifying those students who fail to attain the minimum levels of competence in the areas of reading and writing."

Institutional Policies Regarding the Regents' Testing Program

Students enrolled in degree programs are required by the University System to successfully complete a test of competence in the areas of reading and writing Standard English.

Eligibility

1. A student may take the test after he has completed the basic core English courses (ENG 107, 108, and 109).
2. A student is required to take the test after he has completed 45 credit hours including ENG 107 and ENG 108. The Student will be notified by the Registrar's Office upon the completion of the 45-hour requirement.
3. However, the College requires *initial* testing by the time the student has completed 60 credit hours. Failure to sit initially for the Test upon the completion of 60 credit hours will result in cancellation of registration.
 - a. First-time examinees must take both parts of the Regents' Test; repeaters who have not passed either part must also take both parts.
 - b. Students who pass both parts of the Test in one administration *or* in separate administrations will be considered to have met the Regents' Examination requirement.
 - c. Those students who, prior to January 1, 1980, failed to pass both parts of the Test in one administration but who passed both parts in separate administrations are now to be considered as having met the Regents' Examination requirement. If they have completed all other graduation requirements, their date of graduation, the date which will appear on the diploma, will be the first institutional graduation date after January 1, 1980.

Remediation

Students who have not passed the Regents' Test before they acquire 75 hours of degree credit must enroll in English 092 (writing) and/or English 093 (reading) in addition to a regular thirteen hour course load. Students enrolled in English 092 and/or 093 will not be permitted to sit for the test during the first quarter of enrollment in either of these courses. A student must enroll each quarter in a

program of remediation until both components of the test have been successfully completed. After the completion of one full quarter of remediation, a student enrolled during subsequent quarters in the same remedial course will be allowed to sit for the test during the period of enrollment. Failure to comply with this remediation policy will result in cancellation of registration.

Transfer Students

All transfer students from within the System shall be subject to all provisions of this policy. Students from institutions outside the System who transfer to Savannah State College with 60 or more degree credit hours shall take the Test during the initial quarter of enrollment and in subsequent quarters shall be subject to all provisions of this policy.

Foreign Students

Students whose native language is other than English may be exempted from taking the Regents' Test; however, such students must take the Savannah State College English Competency Test for foreign students in lieu of the Regents' Test. Such students are subject to all of the provisions of this policy regarding eligibility and remediation.

These students must apply for the English Competency Test with the Regents' Test Coordinator.

Handicapped Students

Students with legal visual, auditory, or motor handicaps may apply for local certification of competency with the Regents' Test Coordinator.

Essay Test Review Policy

Student access to the review process is not retroactive. Essays from the Fall Quarter, 1979, may, however, be reviewed since the student will initiate the process after January 1, 1980 — the implementation date of the revised Regents' Test Policy. The Regents' Test itself and the scoring criteria are not subject to review; the same method of scoring will be used during the review process as that in the original scoring. Scoring will follow the normal holistic procedure.

1. A student may request a formal review of his failure on the essay component of the Regents' Test if that student's essay received at least one passing score among the three scores awarded *and* if the student has completed English 107, 108 and 109.
2. A student must initiate the review procedure by mid-term of his/her first quarter of enrollment after the quarter in which the essay was failed. The review must be initiated, however, within one calendar year from the quarter in which the failure occurred.
3. The review will be initiated at Savannah State College by the student's completing a "Request for Review" form available at the Office of the Regents' Test Coordinator. The Regents' Test Coordinator will determine the student's eligibility based upon the criteria in paragraphs 1 and 2 above. The review, if warranted, will be conducted by a three-member panel (composed of two English instructors and one additional person) appointed by the Vice-President of the College and designated as the on-campus review panel.

4. The on-campus review panel may (1) sustain, by majority opinion, the essay's failing score, thus terminating the review process, or (2) recommend, by majority opinion, the re-scoring of the essay by the Regents' Testing Program central office. The Regents' Test Coordinator will notify the student of the results of the on-campus review. If the on-campus review panel sustains the essay's failure, reasons for that failure will be provided to the student.
5. If the on-campus review panel recommends re-scoring of the essay, the Regents' Test Coordinator will transmit that recommendation in writing, along with a copy of the essay, to the office of the System's Director of the Regents' Testing Program.

The System's Director will utilize the services of three (3) experienced Regents' essay scorers other than those involved in the original scoring of the essay to review the essay, following normal scoring procedures for the essay component of the Regents' Test. The decision of this panel on the merits of the essay will be final, thus terminating the review process. The Regents' Test Coordinator will notify the student of the results of the review.

6. All the applicable regulations of the Regents' Test Policy remain in effect for those students whose essays are under review, including those regulations relating to remediation and to retaking the Test.

Notification Procedures for the Regents' Examination

Upon the completion of 45 credit hours, including ENG 107 and ENG 108, a student will be notified by letter* from the Registrar's office that he/she is required to sit for the Regents' Test. Thereafter, notification will be in the form of codings that will be placed on the student's permit to register. These codes will indicate the student's status in regard to the Regents' Test. All persons advising students during the registration process must enforce the remediation requirement(s) as indicated on the permit to register. The codes are as follows:

- a. "Regents Req" — Regents' test required during this quarter of enrollment. This will apply to any student who has completed 45 credit hours, including ENG 107 and ENG 108.
- b. "092R-093R" — Writing (ENG 092) and reading (ENG 093) remediation courses required. This applies to any student who has completed 75 credit hours and has not passed either section of the Regents' Test.
 - (1.) "092R" — Writing (ENG 092) remediation required. This applies to any student who has taken the Regents' Test and failed the writing section.
 - (2.) "093R" — Reading (ENG 092) remediation required. This applies to any student who has taken the Regents' test and failed the reading section.

Designated persons at the check station during the registration process should match requirements for the Regents' Test, as indicated by the permit to register, with a student's schedule and course cards. If they do not match, the student should be sent back to the advisor.

Students with temporary permits are to be cleared through the use of the appropriate computer print-out at the check station.

*Computerized

FINANCIAL AID

Federal Financial Aid Programs (Title IV Programs)

If you are enrolled or accepted for enrollment at Savannah State College and are a citizen or permanent resident of the United States, you are eligible to apply for assistance under these programs. Remember — *grants are gifts but loans must be repaid.*

- A. *Basic Education Opportunity Grant (BEOG)* — you may apply for a Basic Grant if you are an undergraduate on at least a half-time basis in a program of study which is six months in length or longer. Basic Grants range from \$50 to \$1600, depending on your eligibility as determined by a standard formula. The formula uses the information you provide on your application to produce an eligibility index number. The index number is not a dollar figure but is used, along with the total cost of attending Savannah State College, and your enrollment status, to determine the actual amount of your grant. Basic Grants is an entitlement program, it means that all students who are eligible will receive Basic Grant awards.
 - 1. Basic Grants will be paid through SSC. Your eligibility and the actual amount of your aid are determined of the Office of Education. The financial aid officer cannot make any adjustments in your award beyond those required by the Government.
 - 2. Your eligibility for a Basic Grant does not directly affect your eligibility for any other aid. However, SSC requires you to apply for a Basic Grant before you can be considered for other aid.
- B. *Supplemental Educational Opportunity Grants (SEOG)* — are for students of exceptional financial need who without the grant would be unable to continue their education. You are eligible to apply if you are enrolled at least half-time as an undergraduate student. If you receive an SEOG, it cannot be less than \$200 or more than \$1500 a year. Normally, an SEOG may be received for up to four years, the total that may be awarded is \$4000 for a four-year course of study. If you are selected for an — SEOG, SSC must provide you with additional assistance at least equal to the amount of the grant. (This is a matching grant)
- C. *College Work Study (CWS)* — provides jobs for students who need financial aid and who must earn a part of their educational expenses. You may apply if you enrolled at least half-time as a graduate or undergraduate student. SSC arranges jobs-on-campus or off-campus with a public or private non-profit agency. If you are found to be eligible you may be employed for as many as 40 hours a week. In arranging a job and determining how many hours a weeks you may work under this program, the financial aid officer will take into account (a) your need for financial assistance; (b) your class schedule; (c) your health and academic progress.

In general your salary will be based on the current minimum wage, but will also be related to the type of work you do and the proficiency required of you.

- D. *National Direct Student Loans (NDSL)* — the NDSL Program is for students who are enrolled at least half-time and who need a loan to meet their educational expenses. You may borrow up to a total of: (a) \$2500 if you have completed less than two years of a program leading to a Bachelor's degree; (b) \$5000 if you are an undergraduate student who had already completed two years of study toward a Bachelor's degree (this total already includes any amount you borrowed under NDSL for your first two years of study); (c) \$10,000 for graduate study (this total includes any amount you borrowed under NDSL for your undergraduate study)

Repayment begins nine months after you graduate or leave school for other reasons. You may be allowed up to ten years to pay back the loan. During the repayment period you will be charged 3 per cent interest on the unpaid balance of the loan principle.

No payments are required for up to three years if you serve in the Armed Forces, Peace Corps, or VISTA. The financial aid officer can tell you about loan collection provisions for borrowers who enter fields of teaching, or who teach in designated schools.

- E. *Guaranteed Student Loans (GSL)* — enable you to borrow directly from a bank, credit union, savings and loan association or other participating lender which is willing to make the loan. The loan is guaranteed by a state or private nonprofit agency or insured by the Federal Government. The maximum you can borrow as an undergraduate is \$2500 a year. A graduate student may borrow up to \$5000 a year. The interest rate on these loans is 7 per cent. The total amount outstanding that you may borrow for undergraduate study is \$7500.

Most students are eligible for Federal interest benefits. If you qualify for these benefits, the Federal Government will pay the interest for you until you begin repaying the loan, and during authorized periods of deferment.

OTHER FINANCIAL AID PROGRAMS

- A. *Georgia State Incentive Scholarship Program* — the GIS is a state program administered by the Georgia Higher Education Assistance Authority. The awards may range from \$150 to \$450 a year. To be eligible (1) you must be a legal resident of Georgia for a minimum of 12 consecutive months immediately preceding the date of registration, (2) you must be enrolled full-time or accepted for admission in a GHEAA approved postsecondary educational institution located in Georgia and never received a four-year college degree.

To apply for GIS, you must complete a Financial Aid Form (FAF) and list GHEAA to receive a copy of the need analysis, also complete the Georgia Scholarship and Grant Application after being accepted for admission and have the application certified by the school's financial aid officer. Apply for GIS between January and June 1, before the Fall Quarter.

- B. *Regent's Scholarships* — were established in 1961-62 for the purpose of assisting students of superior ability who require financial aid to attend college. The scholarship is administered by the University System institutions in accordance with policies established by the Board of Regents. The awards are made only to Georgia residents for enrollment at University System institutions. The institutions receive, through the financial aid directors, applications for Regent's Scholarships. They choose recipients and determine the amounts and the timing of the awards, subject to policies and regulations of the Board of Regents. The Board takes final action on each award decision made by an institution.
- C. *Pickett and Hatcher Educational Fund* — was established by the late Mr. Claud Adkins Hatcher of Columbus, Georgia, for the purpose of helping worthy and deserving students in the pursuit of their college education. Applications and additional information may be secured from the Pickett and Hatcher Educational Fund, P.O. Box 2128, Columbus, Georgia 31902.
- D. *Jaycee's Scholarships* — is a project conducted by the Savannah Jaycees to increase the educational opportunities in the community for deserving young people who may not be able to continue their education due to financial hardship. A scholarship to cover the cost of tuition for three academic quarters gives assistance to qualifying students in order that they may further their education at either of Savannah's local colleges.

To qualify, the student must have at least a 3.0 grade point average and some need. During the summer quarter, applications are distributed to qualifying students. In September, all applications submitted by the Financial Aid Office are sent to the chairman of the Savannah Jaycees Scholarship Committee and six semi-finalists are selected from each of Savannah's two local colleges. These individuals are interviewed and three prospective students for each college will be selected to receive scholarships.

- E. *NROTC Scholarships* — three such scholarships exist (1) National Scholarship Program — enter from high school qualifications based on SAT performance and screening interviews. Must be physically qualified and must take 1 year of college calculus and Physics. Full tuition and fees (including books but not room and board) and \$100 per month for 40 months. \$980 pay per summer for 70 days on active duty for training while in college. (2) $\frac{3}{4}$ year College Scholarship Program — enter as qualified freshman at SSC and same entry requirements and benefits as in program No. 1 except that you cannot be more than 25 years old upon graduation. (3) 2 Year College Scholarship Program — enter from college at the end of the sophomore year with a “C” average or better, 1 year each of college Science and Math, physically qualified and the same age requirement as above, complete 42 days of training at the Naval Science Institute at Newport, R.I. the summer after the sophomore year earning \$14 per day or \$588 for the summer.
- F. *Melvin Bostic Scholarships* — are named for a former SSC student who was killed while soliciting scholarship monies for SSC. Melvin Bostic scholarships are awarded each year to the highest ranking freshman, sophomore and junior students at SSC. The amount of the scholarship is \$500 per student.
- G. *Sara Mills Hodge Scholarships* — are available to incoming freshmen who have a high grade point average, score above 750 on the SAT and have been a resident of Chatham County at least twelve months. Continuing students who maintain a 3.0 average or above and reside in Chatham County are also eligible for this award. Scholarships range from \$400 to \$600 per student.
- H. *SSC Campus Chest Scholarships* — Each division at SSC is given one scholarship to be awarded to a student within the respective division for tuition for one year. The Division chooses the recipient. It is recommended that the scholarship be awarded on criteria other than need.

HOW TO APPLY FOR FINANCIAL AID

1. Fill out a Savannah State College Financial Aid Application and submit it to the Office of Financial Aid, Savannah State College, Savannah, Georgia 31404.
2. Fill out a Financial Aid Form (FAF) making sure that you check the Section pertaining to the Basic Educational Opportunity Grant (BEOG) and submit this form to College Scholarship Service, Princeton, NJ.
3. Fill out the Georgia Incentive Scholarship (GIS) Application (if a resident of Georgia) and submit to Office of Financial Aid, Savannah State College, Savannah, Georgia 31404.

STUDENT DEVELOPMENT

Student Personnel Services

The Dean of Students at Savannah State College is responsible to the President for the over-all administration of the Student Personnel Program. The *Personnel Assistants* share with the Dean of Students the administration of the Student Personnel Program with primary responsibility for the program as it pertains to male and female students respectively.

In the broadest sense, the Student Personnel Program is concerned first with the life of the student outside the classroom. This definition, however, is inadequate as every person involved in student personnel work at the College, as is true of the faculty and other administrative officers, is deeply interested in the academic work of our students. The intellectual development of the student is and must continue to be the primary objective of Savannah State College.

The undergirding principle of the program at Savannah State College is that there is a different type of student on the campus today who is living in a very different type of world from his predecessors. The differences brought on by cultural, religious and technological revolutions dictate new and fresh ways that must be discovered to meet the needs of the students. Students must now be helped to develop the area of living rather than just the business of living. Therefore, any keen observer can discern immediately that at Savannah State College more and more efforts are being made to help the student not only "do something" but to be someone to be more socially responsible to his community, culture and world. This is part of the great and important work of Student Personnel Services.

There is no one best program in comparison to others. Student Personnel is no better or no worse than its ability to recognize and welcome individual differences in students and its ability to get the full cooperation and input from the institution's administration, faculty, and staff.

Resident Life

Savannah State College makes a concerted effort to insure wholesome personal development and growth for those students who reside in its dormitories. Residence halls for men and for women are equipped with essential furniture. Students provide their own bed linen, blankets, towels, bedspreads, and scarves.

Residential life of women students is supervised by the Dean of Students and head residents. Through dormitory *clubs*, the women students help to plan dormitory activities and participate in developing standards of conduct and determining social regulations for the *groups*.

Dormitory life for men is supervised by the Dean of Students and the head resident. Practice in democratic living is provided through dormitory organization, enabling the men to work with the staff in planning projects, stimulating achievement, and promoting optimum personal development.

ALL OUT-OF-TOWN STUDENTS ARE REQUIRED TO LIVE IN THE DORMITORIES AND USE THE DINING FACILITIES AS LONG AS SPACE IS AVAILABLE IN THE DORMITORIES UNLESS THE COLLEGE INDICATES OTHERWISE.

Freshman Orientation

GED 101. Student Life.

This course is designed to expose all freshman students to a series of group and individualized experiences that emphasize the processes of goal-setting, self-assessment, change strategies and evaluation. Through instruction and consultation, students are encouraged to direct their own development by acquiring appropriate life skills. This two hour class includes units of instruction that cover; knowing your college, strategies for academic success (study skills, time management), values clarification and self-concept development, test-taking skills, academic planning and career exploration. Two quarter credit hours. All quarters.

Student Conduct

Each student enrolled at Savannah State College is expected at all times to exemplify due respect for order, morality, and the rights of others.

The College reserves the right to exclude at any time any student whose conduct is deemed improper or prejudicial to the welfare of the college community.

Counseling Service

The Comprehensive Counseling Center (CCC) offers professional counseling services to all prospective and regularly enrolled students at Savannah State College. The services offered include academic, personal, social and career counseling as well as an array of test information and interpretive data. These services can be provided in an individual or group setting.

The professional staff consists of the director, three staff counselors, and a competent group of peer counselors. The peer counselors provide an opportunity for student-to-student counseling and they render tutorial assistance to students experiencing academic difficulties.

The entire staff operates with the basic understanding that there are some student oriented concerns that extend beyond the scope of their personal resources or areas of expertise. With this in mind, a strong and expansive referral service has been established with other campus based programs and community agencies. Referral made by the staff even to another campus program or office, are made only with the approval of the counselee involved in the given situation.

The staff invites you to visit them to share your experiences, concerns and impressions so that you can decide in what way they can benefit you most. A student desirous of visiting the counseling center may come in, with or without an appointment. If you wish to drop in without advance arrangements, you usually will have to wait only a short time while the secretary arranges for a counselor to meet with you.

The center is open Monday through Friday from 8:30 a.m. - 5:30 p.m. Counseling is confidential and free to students.

Orientation

The orientation program is under the supervision of the Comprehensive Counseling Center. It is designed to assist new students in becoming acquainted with other students, with college regulations, with routine procedures, with campus traditions, with the opportunities offered for training here, and with specialized vocational guidance. This program concentrates on all freshmen and new students entering the College in the first week of the fall quarter. Students derive from the program their immediate informational needs.

A follow-up course dealing with the psychology of human relationships, required of freshmen and transfer students, is designed to facilitate the process of total adjustment to college and to guide the student's thinking in reference to the social forces that affect him daily.

College Testing Program

Savannah State College is a national testing center. Several tests are required at the college and some are optional.

The Scholarship Aptitude Test (SAT) is required of all students who expect to enroll at the institution. Entrants scoring less than 750 on the SAT are required to sit for the Basic Skills Examination (BSE). The BSE is a placement test for Reading, English, and Mathematics. The results determine whether the student enters as a freshman or as a Special Studies (remedial) student.

The Regents Language Skills Examination is required after completing 45 quarter hours (including English 107, 108, and 109) and before completing 75 quarter hours. Passing this examination determines whether a student may routinely pursue his degree.

There are routine classroom examinations and the Office of Testing provides interest, aptitude, personality, and vocational instruments for counseling purposes. Exit examinations are required in some areas.

Other tests administered at the college are:

Graduate Management Admission Test (GMAT), Law School Admission Test (LSAT), Graduate Record Examination (GRE), Scholarship Aptitude Test (SAT), National Teacher Examination (NTE), College Level Examination Program (CLEP), and Miller Analogies Test (MAT).

Health Services

The college health services are maintained to improve and safeguard the health of students. These services are under the direct supervision of the school physician and school nurse. Medical examinations, medical care, and health consultations are provided for all students. Harris Infirmary, a modern, eighteen-bed building, is provided for students who require treatment or confinement for minor illness.

Students who are too ill to attend class must report to the Health Service or obtain the services of a private physician. Under no circumstances will students be permitted to remain in the college residence halls. Any illness in the residence halls should be reported to the Health Service immediately.

Armstrong State College students who are in residence halls on the Savannah State College campus are required to pay the health fee.

Each student is urged to take out hospital insurance at the Comptroller's Office so as to be covered in case of emergencies or the need for hospital treatment. The escalating high cost of hospital and emergency room fees makes this almost mandatory. Each student is directly responsible for his hospital or emergency room fees. The college health fee does not include these services.

All students should have their physical examination forms on file in the College Infirmary until graduation. Thereafter, they will be on file in permanent folders in the Office of Student Personnel Services.

Employees will be treated at the Infirmary for emergencies only.

Policy on Drugs and Weapons

The possession or use (without valid medical or dental prescription), manufacture, furnishing, or sale of any narcotic or dangerous drug controlled by federal or Georgia law is prohibited. Violators are subject to arrest and prosecution by College and/or local, state, and federal courts. It is against College rules and regulations for any student to possess weapons such as knives, guns, blackjacks, etc. Persons found in possession of weapons will be subject to disciplinary action by the College and/or local courts.

Religious Life

Savannah State College puts great emphasis upon a rich and varied religious life program. Through its religious activities, the College seeks to develop an understanding of and an appreciation for the place of religion in everyday living, to deepen spiritual insight, and to make the practice of religious principles a vital part of the life of the well educated citizen.

Student Financial Aid

Savannah State College offers aid to students who demonstrate financial need. However, financing an education should be a combined effort on the part of the parents, students, State and Federal Government and the College. The College administers limited scholarships, grants-in-aid, loans, and work opportunities, awarded largely on the basis of need, scholarship, character and general promise. Preference is given to students who use their time wisely in scholastic and extra-curricular pursuits.

Students who have not completed their applications for financial aid prior to registration for any given quarter will not be eligible for consideration for financial assistance until all materials have been processed and need for financial assistance determined. The deadline for submitting all financial aid forms for any given Fall Quarter is August 18th. All college work-study students are required to have a cumulative average of 2.00 to remain on campus college work-study. Those students who fail to do so and are on probation will have to support their own education or pay their own fees for one quarter or until their grade point average is raised to 2.00.

Application for student Financial Aid should be made through the Office of the Director of Financial Aid.

College Placement Service

The College Placement Service assists all students and graduates of Savannah State College. For the graduates the College Placement Service helps in finding full-time and permanent employment. Regular students are assisted in finding part-time employment for summer months. This office attempts to maintain contact with all agencies which will benefit the students of Savannah State College. The Office of Placement is located in King-Frazier Complex, Room 225.

Cooperative Education

The goals and objectives of the department of Cooperative Education go hand in hand with the over all institutional mission of the college. Specifically, the department accepts the responsibility to help the college:

1. To significantly increase the number of graduates in the various academic disciplines.
2. To reorganize the curriculum, and/or redesign the approaches to delivery of instructional services to effectively meet the assessed needs of students.
3. To develop and firmly establish a competency based incentive program for accelerated student achievement.
4. To provide multi-service outreach programs for predetermined community needs.
5. To improve and expand students, personnel services to include the following: (a) an active recruitment program; (b) orientation to college life; (c) financial planning and support; (d) counseling help in problem situations; (e) information about academic capabilities and options; (f) wise use of time for study, work, and leisure; (g) assistance with job placement prior to graduation; (h) test performance; and (i) following-up.
6. To continue efforts to improve the image and visibility of the institution and its relationship to the larger community.

Cooperative Education at Savannah State College is a program organized to provide students with (1) professional training in their major areas of study, (2) money to help defray college expenses, (3) and general work experience to enhance a more competitive background upon graduation.

The program allows a student to alternate four (4) academic quarters in a professionalized business setting with four (4) quarters of academic study on campus. The co-op student does this during his/her sophomore and junior years and spends the entire freshman and senior years on campus.

Further encouragement of the program is evidenced by the college's granting of five (5) course hours per quarter for co-op participation.

Veterans Services

The Veterans Counselor is responsible for assisting veterans and dependent children (orphans of veterans) in receiving benefits from the Veterans Administration. He collects and disseminates information to veterans and dependent children, and counsels with them throughout the year about regulations and directives peculiar to their status.

Veterans and dependent children are urged to report personally to the Veterans Counselor immediately after their admission to the College and to keep the office informed of withdrawals, transfers, or graduation status changes.

STUDENT ACTIVITIES

Savannah State College contributes to the attainment of a well-rounded education by providing many opportunities for students to participate in a wide range of significant activities. Through the efforts of organized groups, programs are planned for the social, religious, and cultural advancement of the college community.

Student Government Association

The Student Government Association, composed of representatives of all classes, works, with the administration in the governance of the college. It works also with the various campus organizations and sponsors projects for the general welfare of the student body.

Music

The choral society, band, men's glee club, and Wesleyan Choir are open for membership to all students interested in music. Grants-in-aid are available in limited amounts for qualified applicants. These groups perform not only locally but also throughout the state and country.

Publications

Students are trained in various phases of publicity by working with the College Press Service.

The *Tiger's Roar*, official student newspaper, is published every six weeks by students under supervision of the Public Relations Office. The college yearbook, *The Tiger*, is a schoolwide student project which is published through the Public Relations Office. WHCJ, the campus FM Radio Station, serves as a training unit for mass communications students.

Clubs

A number of organizations provide for expression of student interests: Archonian Club, Aurora Club, Art Club, Business Club, Camillar Hubert-Hall Council, Chemical Society, College Playhouse, Creative Dance Group, Crescent Club, English Club, French Club, German Club, Home Economics Club, Ivy Leaf Club, Lampodas Club, Marshal Board, Newtonian Society, Physical Education Majors Club, Pyramid Club, Scrollers Club, Social Science Club, Spanish Club, Sphinx Club, Student Loan Association, Student Georgia Association of Education, Technical Science Association, and Wright Hall Council.

Honor Societies, Fraternities, and Sororities

In addition to Kappa Delta Pi, the national honor societies, Alpha Kappa Mu, Beta Kappa Chi, and Sigma Tau Delta have chapters on the campus and hold membership in the Association of College Honor Societies.

The national social fraternities organized on the campus include Alpha Phi Alpha, Alpha Phi Gamma (journalism), Alpha Phi Omega (service), Kappa Alpha Psi, Phi Beta Sigma, and Omega Psi Phi.

The national social sororities organized on the campus are Alpha Kappa Alpha, Sigma Gamma Rho, Zeta Phi Beta, and Delta Sigma Theta.

The organizations sponsor rich and varied programs designed for the intellectual and social development of all who take part.

Recreation and Sports

The Department of Health, Physical Education, and Recreation and Student Affairs Committee conducts a well-rounded intramural athletic program of seasonal activities for men and for women. Utilizing group games and various sports for their full education and health values, the program features football, basketball, track and field, tennis, golf, baseball, softball, volleyball, field hockey, badminton, and swimming.

A member of the Southeastern Intercollegiate Athletic Conference, Savannah State College maintains competition in all sports sponsored by the conference. Savannah State College also holds membership in two national athletic associations, NCAA and NAIA.

Qualified instructors in Health, Physical Education, and Recreation provide training in the several aspects of the required activity program. Recreational activities, social dancing, swimming and free exercise activities are encouraged and centered in this area. The area makes every effort to provide wholesome recreational activities for all students.

Cultural Activities

To complement formal education on the campus, the College provides many activities for cultural enrichment. Student assemblies, institutes, motion pictures, lectures, art exhibitions, drama, forums, hobby groups, and tours contribute to the general enrichment of the college community.

The Subcommittee on Campus Life brings to the campus renowned concert artists. All students are encouraged to attend these formal activities which afford inspiring association with outstanding personalities.

The Department of Fine Arts sponsors several musical programs and art exhibitions during the school year. The Christmas and Spring Concerts, together with the annual Fine Arts Festival celebrating National Music Week during the first week in May, are significant events in the cultural program of the College.

SCHOOL OF BUSINESS

J. Gordon Gilkey, Jr., Acting Dean
Mary Clay Torian, Acting Associate Dean

Edward Alban	Michael LaBurtis
Hayward S. Anderson	Mary Lou Lamb
Sarvan Bhatia	Arthur Levy
Albertha E. Boston	William D. McCarthy
Johnny Campbell	Robert McKellar
Rubyen Chambless	Jackson McNeil
George Conlin	Robert Morgan
William DeCastro	Swannie Richards
Thomas Eason	Orin Sadler
Jeraline D. Harven	Ram B. Singh
Jan Jankowski	Charlease Stevenson
Robert Jensen	Willie M. Waddell
Arthur Kolgaklis	*Jack Englehardt
Patricia Williams, Sheri Williams, Secretaries	

*Inter-disciplinary with Mathematics.

The School of Business provides professional education in administration through the Departments of Accounting, Economics, Finance, Information Systems; Business Administration; and Office Administration. In designing its programs, which focus on key aspects of modern administrative theory and practice, the faculty recognizes the importance of meeting the many and diverse educational needs of the urban environment in which the School of Business functions.

The main purposes of the School of Business are to provide for students a sound educational foundation for socially effective and gainful employment in the business world. Specifically, through curricular offerings, supervised work experiences, co-curricular activities, and individual counseling for careful selection of courses in sequence and in accordance with student aptitudes and interests, the School of Business prepares students for:

1. Employment as accountants, administrative level secretaries, salesmen and sales managers, and specialists in management, marketing, finance, economics, real estate, and hotel, motel, and restaurant management;
2. Operation, management and ownership of business enterprises;
3. The teaching of business subjects on the Secondary and Junior College levels (on a cooperative basis with Armstrong State College);
4. Employment in the hospitality industry and industrial management; and
5. Further study in all areas of Business.

DEGREE PROGRAMS

To realize these goals, the School offers courses leading to the degree of Bachelor of Business Administration, the MBA, and the AA degree in Office Administration. A minimum of 197 quarter hours are required to complete requirements for the BBA; 60 quarter hours for the MBA; and 96 quarter hours to complete the AA degree.

A student in the School of Business may pursue a major in one of eight areas: Accounting, Economics, Finance, Gen. Bus. Adm., Information Systems, Management, Marketing, and Office Administration. Minor areas of concentration are available in each of the majors and in Hotel, Motel and Restaurant Management and Real Estate. The following suggested sequences are recommended for each of the major areas of specialization.

ACADEMIC COUNSELING

Each student in the School of Business (undergraduate and graduate) is assigned a special academic adviser in his/her major area of specialization. Beginning, transfer, and entering students should report to the Departmental Offices to secure this assignment.

CURRICULUM REQUIREMENTS

All curricula in the SCHOOL OF BUSINESS are composed of four major parts:

I. GENERAL EDUCATION CORE	111 Qtr. Hrs.
Area I. Humanities	20
Area II. Math and Science	20
Area III. Social Science	20
Area IV. Courses Appropriate to Major on Jr. College Level	30
Other College Requirements	21
II. BASIC BUSINESS CORE	31 Qtr. Hrs.
(In Addition to Area IV above)	
III. MAJOR AREA OF SPECIALIZATION	30 Qtr. Hrs.
Restricted Electives	10 Qtr. Hrs.
IV. Free Electives	15 Qtr. Hrs.
Total Hrs. Required	197

I. GENERAL EDUCATION (Liberal Arts) CORE	111 Qtr. Hrs.
Area I. Humanities	20
Eng 107-108-109	15
Hum 232 or 233	5
Area II. Math and Science	20
Math 107-110	10
Laboratory Science 2 Qtr. Sequence . .	10
Select from Biol, Physics, Chemistry or Physical Science	

Area III. Social Science	20	
His 101 or 102	5	
Psych 201 or Soc 201	5	
His 201 or 202	5	
Pol Sci 200	5	
Area IV. Courses Appropriate and/or pre-requisite to the major (CBK)	30	
ACC Principles Sequence	10	
BAD 201 — Principles of Data Proc . . .	5	
BAD 225 — Bus Com & Report Writing . .	5	
BAD 217 — Legal Env. of Business . . .	5	
Math 217 or BAD 331 Statistics	5	
Other General Requirements	21	
Physical Education	6	
BAD 105 — Intro to the College, to Business & Career Development	5	
ECO 201-202 — Prin of Macro-Micro ECO	10	
II. BASIC BUSINESS CORE (Additional CBK)		
Common Body of Knowledge in Business	31 Qtr. Hrs.	
ECO 332 — Quantitative Analysis	5	
BAD 340 — Prin of Marketing	5	
BAD 360 — Bus Org & Man Prin	5	
BAD 320 — Business Finance	5	
BAD 420 — Production, Planning & Con- trol	3	
BAD 462 — Human Relations in Organiza- tions	3	
BAD 465 — Business Policy	5	
III. MAJOR AREA OF SPECIALIZATION	30 Qtr. Hrs.	
Restricted Electives	10 Qtr. Hrs.	
See curricula in Accounting, Economics, General Business Administration, Finance & Banking, Information Systems, Management, Marketing, and Office Administration		
IV. Free Electives	13 Qtr. Hrs.	
TOTAL	195	

Basically, the first two years are common to all majors in the SCHOOL OF BUSINESS, as well as the 31 additional hours in the Basic Business Core which are a part of the Junior and Senior requirements. Students actually begin their major requirements in the Junior year, after completing the Principles courses in Accounting, Economics, Data Processing, Statistics, and Business Communications and Report Writing to provide tools for further study in business.

It should be remembered that 100 level courses are designed for the Freshman level; 200 level courses are designed for the Sophomore level; and 300 and 400 level courses are for the Junior and Senior years. It should be understood that the higher level numbers are designed to be based on the completion of the lower numbered courses and every effort should be made to schedule courses in this order.

REQUIRED TESTS

In addition to evaluations: tests and examinations required in each course, two examinations are required (with a passing score) for graduation:

1. The LSE (Language Skills Examination) is required by the Board of Regents to be completed before registering in Junior level courses — or at the completion of 105 quarter hours. Students should apply to take this test (which is administered quarterly) in the quarter immediately following the completion of English 109. Please check the College Calendar for these dates.

2. The Major Comprehensive Examination (UP Business Test, ETS) should be taken during the Senior Year. This Test is offered each quarter on the Saturday following Mid-Term examinations. The student should apply to take this test at least four weeks prior to the administration inasmuch as it must be ordered from Princeton, N.J.

DEPARTMENT OF ACCOUNTING, ECONOMICS, FINANCE, INFORMATION SYSTEMS

The Department of Accounting, Economics, Finance, and Information Systems prepares students to compile, analyze, and prepare business records. In the department, students also learn to specialize in areas such as auditing, tax work, cost accounting, budget control, and systems management.

The Department of Accounting, Economics, Finance, and Information Systems also has as its thrust to teach students to compile, process, and interpret economic and statistical data. The department also stresses to students that the financial function is conducted in concert with the structural organization of the business unit and employs such tools as budgets, statistical forecasts, and other techniques and methods deemed appropriate for effective decision-making. Additionally, the department stresses the importance of information systems and to this end instructs students in the use of electronic data processing equipment and techniques with particular emphasis on computer systems and computer management.

Courses required for a major in the Department of Accounting, Economics, Finance, and Information Systems:

ACCOUNTING

Major Requirements: 30 hours as specified plus Restricted Electives	
ACC 301, 302, 303, 325, 405, 450	30
Restricted Electives: Select Two:	10
ACC 326, 406, 430, 440, 460, 465	

ECONOMICS

Major Requirements: 30 hours as specified plus Restricted Electives	
ECO 304 or 305; ECO 306 or 323; ECO 401	15
Select three courses from list below	15
Restricted Electives: Select two courses	10
ECO 311, 312, 350, 345, 403, 404, 405, 406, 407, 435, 499	

FINANCE AND BANKING

Major Requirements: 30 hours as specified, plus Restricted Electives	
BAD 323, 321, 401, 402, 425, 431	30
Restricted Electives: (Select Two)	10
BAD 400, 405, 406, 409, 410, 460; ECO 312, 403, 435	

INFORMATION SYSTEMS

(Inter-disciplinary major with the Math Department).

Major Requirements: 30 hours as specified plus Restricted Electives	
BAD 301, BAD 302/Math 360, BAD 303/Math 361, ACC 440	30
Math 400, Math 415	
Restricted Electives: (Select two)	10
Math 250-251	ACC 301-302
Math 264	ACC 405
BAD 300	BAD 409-410
BAD 340	BAD 425

DEPARTMENT OF BUSINESS ADMINISTRATION

The Department of Business Administration places strong emphasis on the techniques and approaches typical of today's modern decision systems based programs in management and administration. The program is designed for those who want to apply their technology toward solving the intricate and involved problems that face our society's businesses and industries, as well as those problems that are found in government.

Through its majors, the Department of Business Administration offers a comprehensive view of the operational and functional areas of business while providing insights into the interrelationships between business organizations and the economic, political, social, and legal environments within which they must operate. Within the Department, students select courses that provide a major from the following: Business Administration, Management, and Marketing.

Courses Required for a Major in the Department of Business Administration in Management, Marketing, and Business Administration:

BUSINESS ADMINISTRATION

Major Requirements: 30 hours as specified plus Restricted Electives	
BAD 341 or 415, 425, 409-410; ECO 323, 401	30
Restricted Electives: (Select two)	10
BAD 300, 301, 302, BAD 307, 308, 400, 411; ACC 325, 440	
Electives	29

MANAGEMENT

Major Requirements: 30 hours as specified plus Restricted Electives	
BAD 341, 412, 425, 411, 416, ECO 401	30
Restricted Electives: (Select two)	10
ECO 308, 312, 350, 407. BAD 307, 317, 409. ACC 440.	

MARKETING

Major Requirements: 30 hours as specified plus Restricted Electives	
BAD 304, 306, 341, 403, 409, 410	30
Restricted Electives: (Select two)	10
BAD 307, 308, 321, 342 or 415, 425. ECO 323, 401.	

DEPARTMENT OF OFFICE ADMINISTRATION

The Department of Office Administration believes that communication is an important part of every executive’s function, and a large portion of the office administrator’s role centers around assisting the executive in the communication aspect of his or her position. Therefore, the Department of Office Administration prepares students with broad undergraduate college training, with a major emphasis on management, office procedures and skills, human relations, and data and word processing. Moreover, the Department believes that high achievement is most desirable in English, grammar, both oral and written, and this is the background needed for effective communication. At Savannah State College the BBA degree in Office Administration meets all of these requirements.

For secretarial and clerical positions, the A.A. (two-year) degree is available, and planned in such a manner that the remaining two years for a BBA degree may be completed at a later date.

Courses needed for a major in the Department of Office Administration:

OFFICE ADMINISTRATION

BBA Degree

Major Requirements: 30 hours as specified plus Restricted Electives	
OAD 202, 203, 300, 301, 340	21
OAD 311, 312, 313 or BAD 412, 425	9
Restricted Electives: (Select two)	10
OAD 425, 426; BAD 412, 425; ACC 325, 440	

SECRETARIAL SCIENCE

AA Degree

Total Hours Required: 100 hours as specified	
English 107, 108, 109	15
Math 107, 110	10
Office Administration 201, 202, 203, 311, 312, 313, 300, 301, 426	40
Economics 201	5
Accounting 211	10
Business Administration 105, 201, 225	15
Political Science 200	5
History of US and GA 200	5

DESCRIPTION OF COURSES

ACCOUNTING (ACC)

Three course sequence, experimental for 1981-1982.

201. Principles of Accounting — Introduction to Finance Accounting. (3-2-3)

An introductory course in college accounting principles and methodology. Detailed study of the accounting model, techniques and accounting systems. Prerequisites: a grade of C or better in Math 107 and Math 110.

202. Principles of Accounting — Financial Accounting. (3-2-3)

An introductory course in college accounting designed to give basic knowledge of accounting principles and methodology. Detailed study of income measurement and organizational forms. Prerequisite: ACC 201.

203. Principles of Accounting — Introduction to Managerial Accounting. (3-2-3)

An introductory course in college accounting designed to give basic knowledge of accounting principles and methodology. Detailed study of cost accumulation, reporting issues and utilization of accounting information for managerial decisions. Prerequisite: ACC 202.

211-212. Principles of Accounting I and II. (5-0/5-5)

An introduction to the fundamental principles and procedures of accounting. Detailed study of the technique and formation of balance sheets, income statements, ledger accounts, and journals. Prerequisite: A grade of C or better in Math 110 and 107. *Fall and Winter.*

301-302. Intermediate Accounting I and II. (5-0-5)

(Same as ASC BA 301-302). Theory and problems application of accounting. Includes analysis, interpretation, and applications of statements, investments, funds, and evaluations of fixed assets and liability accounts. *Fall and Winter.* Prerequisites: (ACC 211-212).

303. Advanced Accounting. (5-0-5)

(Same as ASC BA 455). An intensive study of corporate accounting, analysis, and evaluation of the structure and use of corporate statements and reports, including consolidated statements. Prerequisite: ACC 302. *Spring.*

325-326. Federal Income Tax Procedures I and II. (5-0-5)

(Same as ASC BA 436-437). An analysis of the Federal Income Tax Law and its application to individuals and partnerships. Extensive practical problems; preparation of returns.

Part II emphasizes Federal Taxation on Corporations and fiduciary returns, gift taxes and estate taxes. Prerequisite: ACC 212. *Winter and Spring.*

405-406. Cost Accounting I and II. (5-0-5)

A study of basic cost principles, control of manufacturing cost elements, job-order systems, standard cost and budget, and management of non-processing business units, and non-profit enterprises is as essential a part of cost accounting as manufacturing costs. Prerequisites: ACC 212. *Fall and Winter.*

430. Accounting for Not-For-Profit Institutions. (5-0-5)

Basic concepts and techniques of fund accounting for governmental, educational, religious, and charitable organizations. The course will also cover budgeting and management accounting problems of these institutions. Prerequisite: ACC 302 or the consent of instructor. (*upon demand*).

440. Business Information Systems. (5-0-5)

Basic computer concepts applied to systems and methods design, data flow analysis, and the development of an understanding of a need for control procedures in a business information system. Prerequisite: ACC 302 or consent of instructor.

450. Auditing. (5-0-5)

A study of the balance sheet, audit including methods of verifying assets, liabilities, capital and income, and expenses. Prerequisite: ACC 303 or consent of instructor. *Spring*.

460-461. CPA Review. (5-0-5)

An intensive study of the approach to and techniques of solving problems of the type presented on CPA examinations. Problem areas and course material selected from recent uniform CPA examinations. (By permission of the Department of Accounting.)

499. Independent Study and Research in Accounting.

This course is designed for majors with special problems for research and development and for those who are capable of working with a minimum of guidance. Prerequisite: senior status. *Fall, Winter, Spring (offered upon request). Credit, one to five quarter hours.*

BUSINESS ADMINISTRATION (BAD)**105. Introduction to Business. (5-0-5)**

(Same as ASC BA 200) A survey of the fundamental concepts of modern business enterprises; orientation to careers in business and to the college. *Fall, Winter, Spring*.

106. An Analysis of Tourism and the Hospitality Industry. (5-0-5)

Principles, practices, and philosophies of tourism and hotel, motel and restaurant management education and training. *Spring*.

201. Principles of Data Processing. (3-4-5)

(Same as ASC BA 205) A concepts course on modern methods of processing data as related to business; includes the use of terminals and microcomputer systems as facilitating units for the accurate recording and reporting of data. Included in the course of study are the tele-communication terminal systems and the languages necessary to communicate with a computing system. *Fall, Winter, Spring*.

207. Personal Finance. (5-0-5)

(Same as SSC BAD 400) This course is devoted to family financial matters such as budgeting expenditures, taxes, loans, charge accounts, savings media, life insurance, investment securities, mutual funds, estate planning, trusts, wills, estate and gift taxes. *Fall*.

211/311. Cooperative Education Work Experience. (1-40-5)

Student works full-time in Business and Industry under the supervision of the Director of Cooperative Education. Each course has specific written clock hour requirements. Register with Co-op Office. *Credit, one to five quarter hours per quarter. Maximum credit, fifteen quarter hours.*

217. The Legal Environment of Business. (5-0-5)

A study of the legal requirements and considerations for effective business operations. *Fall, Winter, Spring.*

225. Business Communications and Report Writing. (5-0-5)

(Same as ASC BA 215) The application of basic principles of English grammar, basic report writing, and research techniques to presentations and written communications as demanded in business. The role of written communications in relation to news media enters into the consideration given to communication theory. Prerequisite: ENG 109. *Spring, Summer.*

300. Business Machines. (1-8-5)

(Same as ASC BA 203) Designed to familiarize the student with different types of machines used in various offices, and to develop a reasonable degree of skill in the operation of a few of these office machines. Prerequisite: A proficiency in typewriting. *Fall, Winter, Spring, Summer.*

301. Business Programming in BASIC. (5-0-5)

This course covers BASIC programming in a small business environment. Included are data-entry methods, file-organization methods, data-communication systems and applications, use of program library, and execution of programs in the batch and interactive mode on terminals and microcomputers. A major project will be required. Prerequisite: BAD 201.

302. Computer Programming in a Business Language I. (3-4-5)

(Same as MAT 360) An introduction to the COBOL programming language and its applications to problem solving. This course is designed for business-oriented students, and applications will be in the areas of business and administrative data processing. Prerequisite: MAT 110. *Winter.*

303. Computer Programming in a Business Language II. (3-4-5)

(Same as MAT 361) Extension of the subject matter covered in MAT 360, to include creation and processing of data files on a random access device. Prerequisite: BAD 302/MAT 360. *Spring.*

304. Salesmanship and Sales Management. (5-0-5)

(Same as ASC 344) A study of personal selling; types of customers, problems of administration; and the selection, training, compensation and management of sales forces. Prerequisite: BAD 340. *Winter.*

306. Retailing. (5-0-5)

(Same as ASC BA 346) Principles and practices of buying, advertising, selling, and store management as applied to business enterprises. Prerequisite: BAD 325, ACC 211. *Spring.*

307. Principles of Insurance. (5-0-5)

(Same as ASC PA 307-308) The theory of insurance and current insurance practices. Uses of insurance, types of insurance, organization types, policies, mortality, etc. *Spring*.

308. Principles of Real Estate. (5-0-5)

(Formerly SSC BAD 404; ASC BA 404) Survey of the changing pattern of urban development; the structure of real estate markets; characteristics of real estate resources; financing methods and institutions; introductory valuation principles; taxation of real property; location analysis, city structure; and land use patterns.

317-318. Business Law.

Contracts; their formation, performance and liability rights, and remedies; agencies, sales and their execution; forms and legal effect of negotiable instruments. *Winter and Spring*.

320. Business Finance. (5-0-5)

(Same as ASC BA 320) Principles, problems, and practices associated with the financial management of business institutions; nature and types of equity financing; major types of short-term and long-term debt; capitalization; financial statements, working capital requirements, reorganization; bankruptcy; methods of inter-corporate financing. Prerequisite: ECO 331. *Spring*.

321. Capital Budgeting Theory. (5-0-5)

A study of the capital budgeting process; an integration of the budget with relative measures of risk.

323. Money, Credit and Banking. (5-0-5)

The principles of money and banking with special reference to their functions. Money and its attendant economic problems; credit; the banking process and the banking system; foreign and domestic exchange; the business cycle; history of banking. *Fall, Spring*.

331. Business and Economic Statistics I. (5-0-5)

(Same as SSC ECO 331) Introduces students to the methods of scientific inquiry and statistical application. The essentials of vocabulary, concepts, and techniques; methods of collecting, analyzing, and treating data; measures of central tendency, correlation and deviation, graphic representation, sampling validity and reliability; time series analysis. Prerequisite: Math 212. *Fall, Winter*.

340. Principles of Marketing. (5-0-5)

The distribution of goods and services from producer to consumers; market methods employed in assembling, transporting, storage, sales, and risk taking; analysis of the commodity, brands, sales methods and management; advertising plans and media. Prerequisite: ECO 201. *Fall, Spring*.

341. Marketing-Management (5-0-5)

(Same as ASC BAD 411) Management of marketing organizations, with emphasis on planning, organizing and controlling the marketing organizations; internal and external communications; marketing management decision-making. Prerequisites: BAD 340-360. *Spring*.

342. Marketing of Hospitality Services. (5-0-5)

Marketing of Hospitality Services, Food, Lodging, and Travel as a competitive force. Prerequisite: BAD 340. *Spring*.

360. Business Organization and Management. (5-0-5)

The basic principles of management applicable to all forms of Business and to all levels of supervision; the functions of planning, organizing, influencing, staffing and controlling will be covered and will be the basic orientation to course material.

400. Personal Finance. (5-0-5)

(Same as ASC BA 207) Devoted to family financial matters including budgeting, expenditures, taxes, loans, mutual funds, estate planning, trusts, wills, estate and gift taxes. *Fall*.

401. Corporate Finance. (5-0-5)

The financial function of the firm relative to standard institutions and instruments of corporation finance.

402. Financial Institutions. (5-0-5)

A study of the unique and particular roles played by the several financial institutions in the United States.

403. Advertising. (5-0-5)

(Same as ASC BA 348) Uses and limitations of advertising as a tool of management; and as a factor in the "marketing mix" of an organization; the sales process and psychological objectives of advertising, copywriting, and layout design types of advertising media; criteria for selection of specific media. Prerequisite: BAD 340. *Spring*.

404. Real Estate Brokerage. (5-0-5)

Overview of a wide range of basic subject areas relating to the rules, regulations, laws, and practices governing the purchase, development, financing, and conveying of real estate interests. Specific emphases are placed on those phases of real estate activity considered to be of significance in preparing for the Georgia Real Estate License Examination of salesmen and brokers. Prerequisite: BAD 308. *Winter*.

405. Real Estate Law. (5-0-5)

The elements of real property law including contracts; liabilities for breach; law of principal and agent; covenants and easements; real property interests; deeds; title protection; and the lawful uses of property. Prerequisite: BAD 308. *Spring*.

406. Real Estate Finance. (5-0-5)

A study of the instruments, techniques, and institutions involved in the financing of real property; Sources of funds, mortgage risk analysis, with emphasis on typical policies and procedures used in financing residential, industrial, and commercial properties. Prerequisite: BAD 308. *Winter*.

408. Real Estate Valuation. (5-0-5)

The logic of valuation theory integrated with conventional valuation techniques, as well as new methods of statistical inference through case studies of residential and investment properties. Prerequisite: ECO 331. *Spring*.

409. Administrative Practice and Internship. (2-10-5)

(Same as ASC 400) One hundred hours of practical work experience are required in offices of Savannah State College and nearby business concerns. In addition, a two-hour weekly seminar is directed toward a study of administrative practices, human relations, and policy development and implementation. By special arrangement, laboratory work may be taken during the summer before the senior year. Off-campus experience is permitted if it is arranged in advance. Prerequisite: BAD 360. *Fall*.

410. Administrative Practice and Internship. (2-10-5)

Practical work and seminar requirements are the same as in BAD 409, Administrative Practice and Internship, except that the two-hour weekly seminar is directed toward the completion of a research project in the area of business administration. Prerequisite: BAD 360. *Spring and Summer*.

411. Small Business Administration. (2-6-5)

Study of the operation and problems of small business in general as related to bookkeeping, planning, organizing, staffing and marketing. Individual investigations of small businesses in the local area and a compilation of written reports will be required of each student.

412. Personnel Management. (5-0-5)

(Same as ASC BA 375) The methods and procedures used by business management in recruiting, selecting, and maintaining an efficient work force; nature and use of application form; interviewing techniques; construction and use of service records and job descriptions; job evaluation techniques, grievance procedures; morale and its significance to production. Prerequisite: BAD 360. *Fall, Spring*.

415. Marketing Research (5-0-5)

(Same as ASC BA 412) Sampling, survey, experimental and other research techniques for determining customer preferences and market potentials. Interpretation and presentation of research findings for management decision-making. Prerequisite: BAD 340. *Spring*.

416. Business Research. (5-0-5)

Scientific approaches in solving business problems. Emphasis is placed on the introduction and utilization of analytic research tools. Prerequisite: BAD 360, BAD 340, BAD 331, ECO 332. Senior standing.

420. Production Planning and Control. (5-0-5)

The development of an understanding and appreciation of production and control through special and specific applications. (Same as ASC BA 460). Prerequisite: BAD 320. *Winter*.

425. Managerial Accounting. (5-0-5)

The study, interpretation and analysis of financial statements as tools of the management decision-making process. Prerequisite: ACC 212, BAD 360. *Spring*.

431. Control and Organization of Information. (5-0-5)

Information analysis and logical design of information systems and data bases; consideration of hardware, access methods, management and control functions, communicating with the data base, and integrated systems. Prerequisite: BAD 303 or MAT 361.

432. Systems Analysis and Design. (4-3-5)

Principles and techniques of systems analysis, including personnel and machine requirements, file considerations, problem formulation, analysis aids, iterative requirements of the design phase, and implementation criteria and evaluation; readings and case studies related to analysis and design, and a student project incorporating the techniques studied in an appropriate real-world environment. Prerequisite: BAD 431 or Math 400.

460. Commerical Bank Management. (5-0-5)

An examination of the management function of the commercial banking system; an investigation of the techniques and principles followed by commercial banks in the performance of their many social and monetary roles.

462. Human Relations in Organizations. (3-0-3)

A study of the process of integrating people into the work situation so that they are motivated to work together harmoniously, productively and with economic, psychological and social satisfaction. Prerequisite: BAD 360. *Fall.*

465. Business Policy. (5-0-5)

An integration of knowledge of the various fields of business, with emphasis on decision making. Prerequisite: All CBK courses. *Fall, Spring, Summer.*

499. Independent Study and Research in Business Administration.

This course is designed for majors with special problems for research and development and for those who are capable of working with a minimum amount of guidance. The student reports periodically to his supervising professor and the specific content of the course is directed by the needs of the student. Prerequisite: Senior status. (*Offered upon request.*) *Credit, one to five quarter hours.*

HOTEL-MOTEL AND RESTAURANT MANAGEMENT

106. An Analysis of Tourism and the Hospitality Industry. (5-0-5)

A study of tourism principles, practices and philosophies, offering a practical and realistic education in the business of tourism.

206. Hospitality Accounting. (3-0-3)

Covers the accounting concerns and techniques necessary for managerial decision-making in the Hotel - Motel and Restaurant Industry. *Winter.*

209. Engineering and Maintenance of Hotels. (3-0-3)

Examines the maintenance and engineering functions of the lodging and food service industry and provides the technical information necessary to establish effective preventive programs as well as maintenance procedures. *Spring.*

316. Laws of Innkeeping. (3-0-3)

Covers the responsibilities and rights which the law imposes upon and grants to the innkeeper, and illustrates the consequences caused by failure in those responsibilities. *Spring.*

319. Food and Beverage Management. (3-0-3)

Provides a basic understanding of the principles of food production and service management, reviewing sanitation, menu planning, controls of cost and labor, and the purchasing, storage and merchandising of food and beverages. *Winter.*

342. Marketing of Hospitality Services. (5-0-5)

Marketing of Hospitality Services, Food, Lodging, and Travel as a competitive force.

416-417-418. Hospitality Internship. (1-3-3 per course)

Practical work experience is required in a Hotel-Motel or Restaurant establishment. In addition, a one-hour weekly seminar is directed toward sharing experiences and discussing current trends in the Hospitality Industry.

ECONOMICS (ECO)**200. Introduction to Economic Principles. (5-0-5)**

A one quarter introduction to economic methods and problems concentrated on the development to the intellectual attitudes considered vital to the individual in his role as a responsible and thinking citizen. The course is not open to business students, nor may it be taken for credit by anyone who has ever earned credit in any previous economics principles course. *Fall, Winter, Spring.*

201. Principles of Macro-Economics. (5-0-5)

Basic economic concepts, with emphasis on the role of government; national income and products; business cycles; money and banking; fiscal and monetary policy, and international trade. *Fall, Winter.*

202. Principles of Micro-Economics. (5-0-5)

Basic economic concepts continued from 201. Factors of production; supply and demand; determination of prices and of income; monopolies; the problem of economic growth; and comparative economic systems. *Winter, Spring.*

302. Current Economic Problems. (5-0-5)

This course examines in depth the important problems and issues which are constantly arising and affect the smoothness and direction of the American economic system. These may include urban economic problems, poverty, inflation, manpower utilization and employment, economic development of "ghetto black capitalism," urban transportation problems, automation, the rate of economic growth, the national budget, consumer credit, income maintenance, and investment trends. Prerequisite: ECO 201. *Spring.*

304. History of Economic Thought. (5-0-5)

Traces the development of economic doctrines. Contributions of individual writers and schools of thought are examined. Examined are the views of mercantilists, classical economists, neoclassical economists, socialists, and keynesians on such topics as value, distribution, money, and national economic policy. Economics doctrines are related to social issues of a period. Prerequisite: ECO 201.

305. Intermediate Micro-Economic Theory. (5-0-5)

Determination of price in terms of the equilibrium of the business enterprise and consumer choices in markets with varying degrees of competition; determination of wages, rent, interest, and profits. Prerequisite: ECO 201, 202.

306. Intermediate Macro-Economic Theory. (5-0-5)

The modern theory of the level and rate of growth of income, employment, output and the price level. Alternate fiscal and monetary policies to facilitate full employment and economic growth are discussed. Prerequisite: ECO 201, 202.

307. Economic History of the United States. (5-0-5)

(Same as ASC ECO 326). The principles of money and banking with special reference to their functions; credit; the banking process and the banking system; foreign and domestic exchange, the business cycle; history of banking. Prerequisite: ECO 201.

308. Managerial Economics. (5-0-5)

(Formerly ECO 305). Microeconomic applications to decision-making and policy formulation in the business firm. Production costs, pricing and market structures.

311. Mathematical Economic Analysis. (5-0-5)

Applications and limitations of statistical techniques to business and economic problems. Limitations of ordinary least squares. Data problems. Index numbers. Sampling techniques.

323. Money Credit and Banking. (5-0-5)

The principles of money and banking with special reference to their functions; credit; the banking process and the banking system; foreign and domestic exchange, the business cycle; history of banking. Prerequisite: ECO 201.

332. Quantitative Analysis. (5-0-5)

(Same as ASC BA 311). Statistical applications and analyses for decision making. Decision making under conditions of risk and uncertainty.

345. Economic Development. (5-0-5)

An introduction to the economic and social problems confronting developing nations in Africa, Asia, and Latin America. Variables which affect the growth processes are isolated and analyzed. Considerable attention is focused on the interaction of economic, political, administrative, and social phenomena and their impact on overall development within the nations studied. Limited use of growth models is employed as an alternative method of analysis.

350. Transportation Economics. (5-0-5)

Domestic transportation and its economic impact; national transportation policy and specific problems which are associated with the five modes of transportation. The future of transportation in the United States will be covered as it is related to past and present transportation systems.

401. Labor Problems. (5-0-5)

Problems confronting labor and capital; legislation and administrative regulations affecting employer and employees. Prerequisite: ECO 201-202.

402. Collective Bargaining. (5-0-5)

An intensive study of the laws and effects of collective bargaining as they affect labor and economic conditions. Prerequisite: ECO 401.

403. Public Finance. (5-0-5)

A study of the effects of taxation upon the economic system; public borrowing and public spending with reference to the present financial system of the United States. Prerequisite: ECO 201.

404. Urban Economics. (5-0-5)

An analysis of urban growth centers and their concomitant problems utilizing the cost-benefit technique of evaluation. Location theory is used to delineate trends in urban growth patterns and activities. Specific urban problems arising from such growth trends as adequate revenue and tax base, human resource utilization, housing and land use, and urban poverty are discussed. Emphasis is placed upon solving such problems in terms of economic efficiency and equity.

405. International Economics. (5-0-5)

An introduction to the modern theory of international trade, payments mechanism, commercial policy, and economic integration.

406. Comparative Economic Systems. (5-0-5)

A comparative study of current economic systems in various countries and nations. Prerequisite: 24 hours of economics or consent of the instructor.

407. Government and Business. (5-0-5)

The effects of public policies upon business and industry with emphasis on anti-trust, taxation, regulatory and defense policies.

431. Investments. (5-0-5)

The investment risks in different investment media; selection of appropriate media in accordance with individual or institutional goals and risk-bearing capacity. Types of investments and securities.

435. Seminar on Contemporary Economic Problems. (5-0-5)

General problems of production, employment, and income, with special reference to the specific problems faced by the American economic system.

499. Independent Study and Research in Economics.

(Same as ASC ECO 445). This course is designed for majors with special problems for research and development and for those who are capable of working with a minimum amount of guidance. The student reports periodically to his supervising professor and the specific content of the course is directed by the needs of the student. Prerequisite: Senior status. (*Offered upon request*).

OFFICE ADMINISTRATION (OAD)**201. Beginners Typewriting Keyboarding. (1-4-3)**

Introduction to the keyboard and touch typewriting. Emphasizes the proper technique of machine operation and control. Introduces speed and accuracy; attractive arrangement of copy; and simple tabulation. Minimum standard for passing: 30 words per minute on time writings. Students with previous training in this area may waive the elementary course by passing a qualifying examination. *Fall, Winter, Spring.*

202-203. Intermediate and Advanced Typewriting. (1-4-3)

(Same as ASC 302-303). Skill development in typewriting. Business letter writing, forms development, intensive tabulation, and formal reports. Minimum passing speeds: 40 words per minute for 202 and 50 words per minute for 203.

300. Office Machines. (1-8-5)

(Same as ASC 400). Acquaintanceship, proficiency, and expert levels of development on five basic classes of machines: adding and calculating; copy preparation; duplication; keypunching; and word processing units. Prerequisite: Typing proficiency. *Fall, Winter, Spring, Summer.*

301. Office Procedures. (3-4-5)

(Same as ASC 401). A course dealing with office practice, subject-matter, and procedures commonly used in business offices; laboratory in stenographic methods and office machines. Prerequisites: Shorthand or Business Machines and typing proficiency.

311-312. Beginners and Intermediate Shorthand. (1-4-3)

(Same as ASC 112-113). Beginning a fundamental background in reading and writing shorthand notes. Minimum standard for passing at the end of 312, 60 and 80 words per minute, respectively, for three minutes with 95 percent accuracy. *Fall, Winter.*

313. Advanced Shorthand. (1-4-3)

(Same as ASC 114). Continuation of 312 with added emphasis on dictation and transcription of simple letters and documents. Minimum standard for passing at the end of the course, 90-100 words per minute with 95 percent accuracy. Prerequisite: OAD 312. *Spring.*

340. Word Processing Concepts and Techniques. (2-6-5)

The development of basic concepts and operational techniques on selected Word Processing units. Prerequisites: Typing Skills, OAD 301.

400. Speed Development in Typewriting. (0-4-2)

Intensive Practice and Drills in the development of typewriting skills and speed. Minimum passing speed. 70 wam. Prerequisite: OAD 203.

411. Dictation and Transcription. (1-4-3)

Development of speed and accuracy in transcribing shorthand notes. Gregg tests and standards used. Minimum passing standard for passing at the end of course: 100 words for three minutes and five with 95 percent accuracy.

425-426. Office Management. (5-0-5)

The theory and application of management principles: planning, organizing, controlling and actuating — to administrative office management with 100 clock hours of work experience, required. Senior status.

M.B.A. PROGRAM

WILLIAM D. McCARTHY, Coordinator

The Master of Business Administration degree program is professional in nature. Its purpose is to provide education for business leadership and to acquaint the student with all aspects of business activity while acquiring competency in business management. The school of Business faculty arranges courses and experiences that offer requisite knowledge for a leadership role in business.

ADMISSION REQUIREMENTS

All applicants for admission to the MBA program are required to take the Graduate Management Admissions Test. This test is administered at Savannah State College and at other testing centers once each quarter. The test is designed to measure aptitude for graduate study in business and is not a measure of knowledge in specific subjects. Therefore, applicants should not delay taking this examination simply because they have not had specific course work in business.

REGULAR ADMISSION

To qualify for admission to full graduate status in the MBA program, applicants must show competence in the common business core of knowledge, which requires a basic understanding of accounting, economics, finance, management, marketing, and statistics. Students who have received a bachelor's degree in business generally have fulfilled this requirement, but students with degrees in other disciplines will need preparatory work in these areas before beginning MBA course work. The preparatory requirements may be met by the satisfactory completion of not less than one course (equivalent to 5 quarter hours or 3 semester hours) in each of the following areas:

Accounting	(Principles, Managerial, or Cost)
Economics	(Micro and Macro Principles)
Finance	(Business, Corporate, or Managerial)
Management	(Principles)
Marketing	(Principles)
Statistics	(Elements of)

Normally, thirty hours of preparatory work will be the maximum required, but students should recognize that one course in accounting and one course in economics will provide only a minimum level of preparation for graduate course work. A better preparation could easily improve the performance in related graduate courses by one letter grade or even two.

These preparatory requirements may be satisfied by taking appropriate 500 level courses, by correspondence, or by scoring not less than the fiftieth percentile on the appropriate subject examination(s) of the CLEP (College Level Examination Program). The CLEP examinations are available through the testing services of the College.

In addition to appropriate preparatory work, regular admission status requires that one of the following admission standards be met:

1. An undergraduate grade point average of 2.5 and a score of not less than 450 on the Graduate Management Admission Test (GMAT) or
2. An undergraduate grade point average of 2.75 and a score of not less than 425 on the GMAT.

3. An undergraduate grade point average of 3.0 and a score of not less than 400 on the GMAT, or other combinations of grade point averages between 2.5 and 3.0 in conjunction with GMAT scores.

PROVISIONAL ADMISSION

Provisional admission will be accorded those applicants who meet all the requirements for regular admission with the exception of preparatory course work. Upon satisfactory completion of the prerequisite courses, the conditional status will be removed and regular admission status will be accorded.

Provisional Admission may be given to a limited number of applicants who fail to meet the admission standards for regular admission but, nevertheless, present evidence of a reasonable prospect of success in the program. For this category of admission, applicants must have, in addition to appropriate preparatory work, one of the following:

1. An undergraduate grade point average of 2.2 and a score of not less than 425 on the Graduate Management Admission Test (GMAT), or
2. An undergraduate grade point average of 2.7 and a score of not less than 375 on the Graduate Management Admission Test, or
3. Other combinations of grade point averages between 2.2 and 2.7 in conjunction with GMAT scores between 425 and 375 on an inverse scale.

Upon completion of twenty-five hours of graduate course work with a "B" average, the Provisional Admission status will be changed to regular admission, providing all other requirements for Regular Admission have been satisfied. Failure to maintain a "B" average in the first twenty-five hours of graduate work will result in being dropped as a degree-seeking student.

ADMISSION STATUS AS A PREREQUISITE TO MBA COURSES

Stipulations and problems related to the pursuit of graduate study in the business administration courses are such that students should meet those conditions identified above under either the Regular or the Provisional Admissions categories in order to enroll in any 600-level MBA courses. Therefore, Post Baccalaureate Admissions offers little or no opportunity for graduate study in business administration and is granted to MBA students primarily to identify applicants who have not yet submitted a satisfactory GMAT score or a satisfactory G.P.A. or have not completed the preparatory courses.

ADVISEMENT

Upon admission to the graduate program, each student will be assigned a faculty adviser. The faculty adviser will approve the scheduling of course work, recommend the student for candidacy, and serve as chairman of the student's comprehensive examination committee.

COURSE REQUIREMENTS

The Master of Business Administration program requires forty-five quarter hours of core course requirements and an additional fifteen quarter hours of electives from graduate course offerings.

	Quarter Hours
I. Core requirements	45
BAD 602 — Managerial Micro Economics	
BAD 610 — Managerial Statistics	
BAD 611 — Quantitative Methods in Business	
BAD 620 — Managerial Finance	
BAD 630 — Managerial Costing and Control	
BAD 650 — Marketing Problems Seminar	
BAD 660 — Advanced Management Seminar	
BAD 662 — Human Behavior in Organization	
BAD 665 — Administrative Policy	
II. Electives	15
BAD 601 BAD 612 BA 640 BAD 661	
BAD 604 BAD 613 BAD 663	
BAD 605 BAD 621	

ADMISSION TO CANDIDACY

It will be the responsibility of the student to make application for admission to candidacy after the completion of all prerequisite courses and twenty-five hours of 600-level graduate course work. This application will be in four copies to the faculty adviser. Admission to candidacy is contingent upon verification that the student has attained a "B" average in twenty-five hours of course work and has met all regular admission requirements including:

1. an acceptable score on the Graduate Management Admissions Test.
2. completion of all undergraduate prerequisite courses.
3. removal of provisional admission status, when applicable.

COMPREHENSIVE EXAMINATION

A final comprehensive examination, to be scheduled in a student's final quarter and at least two weeks prior to graduation, is required of all candidates for the Degree of Master of Business Administration. The final examination will be conducted by a committee consisting of the student's faculty adviser as chairman and other members of the graduate faculty appointed by the MBA Coordinator. The date of the examination, the time and place will be set by the Coordinator after consultation with the faculty adviser and the student.

The Coordinator shall notify the student, the Committee members and the Dean ten days prior to the examination concerning the proposed place, date, and time of the examination and the composition of the committee.

The candidate is expected to demonstrate an adequate understanding of the common core of knowledge in business, economics, and statistics, and competency to discuss advanced material in those areas in which he/she has had graduate course work.

The examining committee's decision on the candidate's performance on the comprehensive examination shall be reported as "S" or "U" to the Dean within three days after the examination. Should the decision be reported as "U" the committee will outline a program of corrective action to be taken by the candidate prior to his/her re-examination.

PREPARATORY COURSE DESCRIPTIONS

(500 Level)

BAD 501. Principles of Macro-Economics. (5-0-5)

Basic economic concepts, with emphasis on the role of government; national income and products; business cycles; money and banking; fiscal and monetary policy, international trade. *Fall, Winter.*

BAD 502. Principles on Micro-Economics. (5-0-5)

Basic economic concepts continued from 501. Factors of production, supply and demand; determination of prices and of income; monopolies; the problem of economic growth; and comparative economic systems. *Winter, Spring.*

BAD 511-512. Principles of Accounting I and II. (5-0/5-5)

An introduction to the fundamental principles and procedures of accounting. Detailed study of the technique and formation of balance sheets, income statements, ledger accounts, and journals. *Fall and Winter.*

BAD 517. The Legal Environment of Business. (5-0-5)

A study of the legal requirements and considerations for effective business operations. *Fall, Winter, Spring.*

BAD 531. Business and Economic Statistics I. (5-0-5)

Introduces students to the methods of scientific inquiry and statistical application. The essentials of vocabulary, concepts, and techniques; methods of collecting, analyzing, and treating data; measures of central tendency, correlation and deviation, graphic representation, sampling validity and reliability; time series analysis. *Fall, Winter.*

BAD 532. Quantitative Analysis. (5-0-5)

Statistical applications and analyses for decision making. Decision making conditions of risk and uncertainty. *Winter, Spring.*

BAD 540. Principles of Marketing. (5-0-5)

The distribution of goods and services from producer to consumers; market methods employed in assembling, transporting, storage, sales, and risk taking; analysis of the commodity, brands, sales methods and management; advertising plans and media. *Fall, Spring.*

BAD 560. Business Organization and Management. (5-0-5)

A comprehensive study of principles of business organization and management. Emphasis is placed upon reports by students in which they collect data and make analyses necessary for organizing a business of their own choosing. *Fall, Summer.*

BAD 570. Business Finance. (5-0-5)

Principles, problems, and practices associated with the financial management of business institutions; nature and types of equity financing, major types of short-term and long-term debt; capitalization; financial statements, working capital requirements, and reorganization; bankruptcy; methods of intercorporate financing. *Winter, Spring.*

GRADUATE COURSE DESCRIPTIONS

Note: It should be understood that prerequisite to all MBA courses, the student should satisfy requirements in the common body of knowledge of business and administration as stated in Admission Requirements.

601. Macro Economic Analysis. (5-0-5)

National income accounting. Determinants of national income, employment, price level and growth rates. Prerequisite: Principles of Economics competency.

602. Managerial Micro Economics. (5-0-5)

Price, output, and distribution theory. Economic behavior of households and firms. Prerequisite: Principles of Economics competency.

604. Business Relations with Government and Society. (5-0-5)

Business environment with consideration of the economic, legal and social implications for policy making.

605. Special Economic Problems. (5-0-5)

The economic issues of inflation, unemployment, consumer problems, economic growth and development, environmental economics. Prerequisite: 15 quarter hours of graduate or undergraduate economics courses.

610. Managerial Statistics. (5-0-5)

Application in economic and business statistics. Prerequisite: Elementary Statistics.

611. Quantitative Methods in Business. (5-0-5)

The application of models and mathematical techniques to modern decision-making. Prerequisite: Elementary Statistics.

612. Seminar in Business Research. (5-0-5)

The application of research methods in both the internal and external domains of business. Guided research in a substantive field of the student's choice, i.e., finance, marketing, accounting, management, forecasting, or any other area in which the objectives of the research project is the acquisition of information useful to business enterprise.

613. Administrative Communication. (5-0-5)

The role of communication in effective management; a study of foundation theory and principles for practical applications; communication problems within, between, and among organizations, industry, and other groups; forms, media, and channels available for conducting effective communications in business and industry.

620. Corporate Financial Policies. (5-0-5)

Analysis of financial problems and policies of corporations. Prerequisite: Principles of Business Finance and Elementary Statistics.

621. Investment Management. (5-0-5)

The theory and tools of analysis required in the management of financial assets from the viewpoint of the investor and the investment adviser. Investment media, markets, problems, practices, and philosophies will be studied. Prerequisite: Undergraduate or graduate business finance or equivalent.

630. Managerial Costing and Control. (5-0-5)

The study of physical and monetary input-output relationships and use of such cost studies for managerial strategy, planning, and control. Prerequisite: Principles of Accounting competency.

635. Accounting for Not-for-Profit Organizations. (5-0-5)

Basic concepts and technique of fund accounting for governmental, educational, religious, and charitable organizations, inclusive of management reporting problems. Prerequisite: Principles of Accounting competency.

640. Information Systems. (5-0-5)

Total Information Systems for managerial strategy, planning and control. Prerequisite: Principles of Accounting competency.

650. Marketing Problems Seminar. (5-0-5)

An examination of new developments in the dynamic field of marketing from the viewpoint of the marketing decision-maker. Prerequisite: Principles of Marketing.

660. Advanced Management Seminar. (5-0-5)

The historical foundations and development of management concepts. Emphasis is upon developing concepts in dealing with emerging problems of management. Prerequisite: Principles of Management.

661. Theory of Organization. (5-0-5)

A universally applicable study of organizations and their structures. Organizational factors and associated concepts are examined and analyzed. Prerequisite: Principles of Management.

662. Human Behavior in Organization. (5-0-5)

Contributions and limitations of the behavioral sciences in the development of modern organization theory. Prerequisite: Principles of Management.

663. Industrial Relations. (5-0-5)

Modern industrial relations and its background. Current problems in labor relations. Prerequisite: Principles of Economics competency.

665. Business Policy. (5-0-5)

Policy making and administration from the top management point of view, encompassing the entire field of business administration. Prerequisite: BA 610, 611, and 630.

SCHOOL OF HUMANITIES AND SOCIAL SCIENCES

JA ARTHUR JAHANNES, Dean

The School of Humanities and Social Sciences is comprised of three departments: the Department of Humanities and Fine Arts, the Department of Social and Behavioral Sciences, and the Department of Recreation and Athletics. The School offers majors in English, music, history, criminal justice, social work, sociology, and political science. Minors are offered in the following areas: mass communications, English, art, music, religious and philosophical studies, Afro-American studies, psychology, history, sociology, social work, criminal justice, international studies, gerontology, political science, and urban studies.

The general objectives of the School of Humanities and Social Sciences are consonant with the objectives of the College. Specific objectives of the School are as follows:

1. To offer baccalaureate programs of study in the humanities and the social and behavioral sciences.
2. To prepare students for professional and graduate study in the humanities and the social and behavioral sciences.
3. To offer vocational preparation in mass communication and criminal justice.
4. To foster communication with and understanding of other nations and cultures through the study of language, literature, fine arts, and social and behavioral sciences.
5. To offer interdisciplinary studies in humanities, fine arts, and social and behavioral sciences.
6. To encourage research, field study, and creative endeavors in humanities, fine arts, and social and behavioral sciences.
7. To utilize the rich potential of the local urban environment as a learning laboratory in the humanities, fine arts, and social and behavioral sciences.

DEPARTMENT OF HUMANITIES AND FINE ARTS

LUETTA C. MILLEDGE, *Head*

Joseph Anderson
Fred Becker
Arthur L. Brentson
Oscar C. Daub
James A. Eaton
Charles J. Elmore*
Norman B. Elmore
Samuel Gill
Novella C. Holmes
Robert Holt
Farnese Lumpkin

John Mach
Michael K. Maher
Yvonne H. Mathis
Christine E. Oliver
George J. O'Neill
Louise L. Owens
Robert L. Stevenson
James Stuart
James Thompson, Jr.
Alma S. Williams
Gloria Blalock, Secretary

Jane
Parten

The Department of Humanities and Fine Arts offers courses leading to the baccalaureate degree in English language and literature and in music. Minor programs in English, mass communications, music, religious and philosophical studies, French, German, Spanish, and art are available. The Department promotes an extensive, interdisciplinary approach that encourages investigations in cognate areas and allows for individualization of interests and pursuits.

In a world of rapidly increasing technological sophistication, the urgent issues confronting individuals and societies are issues of human values and the relationships between what human beings can do and what they ought, or ought not, to do. The ultimate aim of the Department of Humanities and Fine Arts is to develop in each student an awareness and appreciation of his/her personal identity and social heritage. Such awareness and appreciation should cultivate in the student a quality of mind marked by analytical, constructive, imaginative, and creative inquiry and thought. To foster the development of such intellectual and humane capabilities, the Department helps the student by promoting: (1) oral and written proficiency in English, including an appreciation for linguistic plurality; (2) critical knowledge and consequent appreciation of the literary, performing, and visual arts; (3) affective, aesthetic, and intellectual flexibility; (4) analytical awareness of language uses in varied settings; (5) advocacy of humane spirit and values; and a spirit of cooperation with community persons and groups working toward similar humanistic and social goals.

The Department of Humanities and Fine Arts provides opportunities for the study and analysis of language, literature, art, music, mass media, philosophy, and religion. These studies and analyses are intended to motivate the student to acquire a more profound understanding and appreciation of the humane spirit, to enliven imagination and inventiveness, to expand aesthetic horizons, and to probe and cultivate individual and social identity. Additionally, the Department encourages the student to utilize resources and opportunities of the proximate urban area as well as to share with it his/her interests, talents, and achievement. The student engaging in these activities and accomplishing these purposes may be expected to become an intellectually aware, sensitive, flexible, effective citizen, equipped to contribute to society through the maintenance of humane perspectives and values.

*Adjunct

PLAN OF STUDY

FRESHMAN ENGLISH

Entering freshman students whose scores on the combined verbal and mathematics sections of the Scholastic Aptitude Test (SAT) meet the requirements for regular admission are placed in English 107.

Applicants for admission whose SAT scores do not meet the requirements for regular admission must take the Basic Skills Examination (BSE) in English, Reading, and Mathematics. On their basis of achievement of the English test, these students are assigned to English 107 or to English courses in the Developmental Studies Department.

THE ENGLISH LANGUAGE AND LITERATURE MAJOR

A student majoring in English language and literature must include two period courses (301 or 303 or 305; 306 or 307); two courses in American literature (220, 221); one course in world literature (331); three seminars in English (450-451-452); two courses in linguistics (321, 322); and one author course (401).

A student majoring in English language and literature will complete at least fifty-four quarter hours in language, composition, literature, and speech, in addition to freshman English.

THE ENGLISH LANGUAGE AND LITERATURE MINOR

A minor in English consists of a minimum of twenty-five hours *beyond* English 109. It must include one course in American literature, one course in English literature, one genre course, and one seminar in English.

REQUIRED EXAMINATIONS

1. Each candidate for the baccalaureate degree in the Department of Humanities and Fine Arts is required to pass the reading and essay writing components of the Regents' Testing Program (RTP).
2. Senior English majors are required to take the Advanced Test in Literature of the Graduate Record Examination (GRE).
3. Senior music majors must take a departmental examination and present a Senior Recital or an appropriate project.

Curriculum For Majors in English Language and Literature

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Science: 20 hours required

Mathematics 107, 108, 110	5-10 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202 or 201-203	10 hours
Physical Science 203-204	5-10 hours

Area III — Social Science: 20 hours required

History 200	5 hours
Political Science 200	5 hours
History 101	5 hours
History 102, Social Science 111, 201 or	
Economics 200	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

English 204	5 hours
English 210 or 211	5 hours
Humanities 233	5 hours
A sequence from the following:	
French 141-142-143	
German 151-152-153	
Spanish 161-162-163	15 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 96 quarter hours

Major Requirements: 51 hours as specified

English 210 (or 211) - 220-221-301 (or 303 or 305) - 306 (307)	
- 320-331-401-413-451-452	46 hours
Philosophical Studies	5 hours
English Electives (including Humanities 234)	12 hours
General Electives	8 hours
Minor Field	25 hours

THE COMMUNICATIONS MINOR

The minor in Mass Communications is designed to prepare students for careers and/or for advanced study in electronic and print media. The program features an audio/video training laboratory, including a wire service receiver. WHCJ, the College radio station, provides campus internship opportunities for students.

The minimum requirement for a minor in communications is twenty-five (25) quarter hours.

THE RELIGIOUS AND PHILOSOPHICAL STUDIES MINOR

The minor in Religious and Philosophical Studies is designed to provide the student with a broad humanistic background in religion and philosophy and to offer the student expanded opportunities to pursue liberal studies.

In addition to provided courses for a minor and for electives, the program offers pre-professional preparation for graduate study in religion or theology.

The minor consists of twenty-eight to twenty-nine (28-29) hours of course work.

COURSE DESCRIPTIONS

HUMANITIES

232-233-234. Introduction to the Humanities. (5-0-5)

Interdisciplinary courses in art, literature, and music. Prerequisite: ENG 109. *All quarters.*¹

301. World Religions. (5-0-5)

An introduction to the religions of the world, with attention to milieu and emphasis upon the irenic approach. *Winter.*

ENGLISH

092. Writing Skills. (3-0-3)

Intensive study and practice in writing. Designed for students who fail the essay section of The *Regents'* Testing Program. Passing contingent upon passing RTP. Institutional credit. *All quarters.*

093. Reading Skills. (3-0-3)

Intensive study and practice in reading. Designed for students who fail the reading section of The *Regents'* Testing Program. Passing contingent upon passing RTP. Institutional credit. *All quarters.*

107. English Communicative Skills. (5-0-5)

Designed to develop skills in reading and writing. Minimum passing grade is C. *All quarters.*

107FS. English Communicative Skills. (5-0-5)

For students whose native language is not English. Designed to develop skills in reading, writing, and speaking. Minimum passing grade is C. *Fall.*

108. English Communicative Skills. (5-0-5)

Designed to develop competence in the English communicative skills, with particular emphasis upon critical thinking and writing. Minimum passing grade is C. Prerequisite: English 107 or English 107FS. *All quarters.*

109. English Communicative Skills. (5-0-5)

Designed to develop competence in the English communicative skills, with particular emphasis upon research procedures and writing. Minimum passing grade is C. Prerequisite: English 108. *All quarters.*²

201. Principles of Speech. (3-0-3)

Study and practice in speech preparation and delivery. Elements of speech production, types of speeches, and oral interpretation are emphasized. *Winter, Spring.*

204. Advanced Composition. (5-0-5)

Intensive study of the theory and practice in writing the basic composition forms. Prerequisite: ENG 109. *Fall.*

210. Introduction to English Literature. (5-0-5)

A survey of English writing from Beowulf to the Romantic Period. Prerequisite: ENG 109. *Spring.*

211. Introduction to English Literature. (5-0-5)

A survey of English writing from the Romantic Period to the Contemporary Period. Prerequisite: ENG 109. *Fall, Summer.*

220. American Literature from the Colonial Period to 1865. (5-0-5)

A study of the main currents of thought and expression in America before 1865. Prerequisite: ENG 109. *Winter, Summer.*

221. American Literature Since 1865. (5-0-5)

A study of the main currents in literary thought and expression in America from 1865 to the present. Prerequisite: ENG 109. *Spring.*

301. English Literature of the Seventeenth Century. (5-0-5)

A survey of the important writers — their styles, subject matter and philosophies. Special emphasis upon the works of Milton, Dryden, and Bacon. Prerequisites: ENG 210 or 211, 204. *Winter.*

303. The English Romantic Movement. (5-0-5)

The genesis of the Romantic theory and the beginning of the Romantic revolt in English; significant literary aspects of the Movement as shown in the works of Wordsworth, Coleridge, Byron, Shelley, and Keats; in the prose writing of Hazlitt, DeQuincey, Hunt, Lamb and Scott. Prerequisites: ENG 210 or 211, 204. *Winter.*

¹Unless otherwise indicated, satisfactory completion of the Sophomore Humanities requirement is prerequisite to enrollment in any course numbered 300 or above.

²Unless otherwise indicated, satisfactory completion of English 109 is prerequisite to enrollment in any course numbered 200 or above.

305. Victorian Prose and Poetry. (5-0-5)

An analytical study of the age of Queen Victoria of England; literature of the period as represented by the works of Tennyson, the Brownings, Carlyle, Arnold, Ruskin, and Meredith. Prerequisite: ENG 210 or 211, 204. *Winter*.

306. Contemporary Prose and Poetry. (5-0-5)

A survey of the major trends and themes in world literature, including American, from World War I to the mid-twentieth century. Prerequisite: ENG 210 or 211, 220 or 211, and 204 or 207. *Spring*.

307. Major Authors Since 1950. (5-0-5)

A survey of major trends and works in world literature, including American, of recent times. Prerequisite: same as for ENG 306. *Spring, alternate years*.

308. Elementary Acting. (3-0-3)

Study and practice in the fundamentals of acting technique based on play and character analyses. The importance of voice, posture, gesture, and movement in theatrical expressiveness will be emphasized, using speeches and short scenes from the world's best dramas. *Fall, Spring*.

315. West African Literature. (3-0-3)

An introduction to the Literature of West Africa, with emphasis upon the oral tradition and its influence on contemporary Black American literature. *Winter*.

316. The Poetry of the Black American. (3-0-3)

An intensive study of the poetic contribution to Black Americans from Lucy Terry to Don Lee, with an examination of social and other forces which have contributed to its development. *Spring*.

321. Introduction to Language Study. (3-0-3)

A general survey of linguistic science with emphasis on phonetics, morphology, syntax, and socio-linguistics. Prerequisite: ENG 109. *Fall, Spring*.

322. The History of the English Language. (3-0-3)

A study of the historico-comparative method, linguistic change, and the history of the English language, with extensive treatment of the development of English in America. Prerequisite: ENG 321. *Winter, Summer*.

331. Literary Analysis and Criticism. (3-0-3)

For English majors. A study of masterpieces other than English and American. *Fall, alternate years*.

333. Creative Writing. (3-0-3)

Instruction and practice in techniques of writing poetry, familiar essay, short story, and drama. Prerequisite: ENG 109. Consent of instructor. *Spring, alternate years*.

341. The Metrical Tale and Romance. (3-0-3)

A study of the medieval narrative with particular emphasis upon Chaucer's poetry. *Winter, alternate years*.

342. The Epic Tradition. (3-0-3)

A study of the epic from classical antiquity to Milton. *Spring, alternate years.*

401. Shakespeare. (5-0-5)

Background, home life, and parentage of Shakespeare; Elizabethan theatrical traditions and conventions. Opportunity for reading and critical discussion of the great tragedies, comedies, and historical plays of the author. Consent of instructor. *Fall.*

403. Criticism. (3-0-3)

Analysis and criticism of recent English and American poetry. Emphasis on the changing ideas of poetry in relation to persistent, as well as new, forms and techniques. Prerequisite: ENG 210 or 211, 331 or 332. *Spring.*

405. The English Novel. (5-0-5)

An evaluative study of works of great English novelists. Rise and development of the English novel, together with an analytical appraisal of four elements — setting, character, plot, and philosophy. Readings and discussion of various types, with emphasis upon the variety of methods by which the novel interprets life. Consent of the instructor. *Winter.*

406. Introduction to Drama. (5-0-5)

Chronological study of drama, with emphasis on selected writers and their works. Consent of instructor. *Spring.*

411. Play Production. (5-0-5)

A critical study of the types of plays with general principles of directing for each type; editing the script; the fundamentals of casting, lighting, makeup; etc. Prerequisite: ENG 109. *Winter.*

413. Advanced Speech. (5-0-5)

Emphasizes self-improvement in all phases of diction and delivery; provides experience in various speaking situations. Consent of instructor. *Winter, alternate years.*

416. The Black Theater. (3-0-3)

An examination of the contributions of Blacks to American drama. Traces the development of Black theater from minstrels to modern theater workshops. *Spring, alternate years.*

417. The Novel of the Black American. (3-0-3)

A critical study of the novels created by Blacks in America, with analysis of the literary aspects and racial themes of these novels. *Spring, alternate years.*

450-451-452. Seminar in English. (1-0-1)

Special problems in English. Reports and research techniques. Prerequisite: Junior standing. Three courses required of all majors in either their junior or senior years. *Fall, Winter, Spring.*

MASS COMMUNICATIONS**110. Introduction to Mass Communications. (3-0-3)**

Designed to acquaint the beginning journalist with the fundamental elements of the mass media. *Fall, Spring.*

200. Fundamentals of Newswriting. (5-0-5)

Major emphasis on writing various types of news stories under the close supervision of an instructor. Prerequisite: ENG 109. *Winter.*

213. History of Journalism. (3-0-3)

A historical survey of the principal developments in journalism from the eighteenth through the twentieth centuries. *Spring, alternate years.*

215. Introduction to Radio and Television. (5-0-5)

An examination of the nature of each medium; audio-visual perception; content analyses, communication theories, critical analysis; types of sponsorship. *Fall.*

216. Writing for Radio and Television. (5-0-5)

A study of the basic characteristics of writing for radio and television. Prerequisite: COM 200. *Winter.*

240. Photo-Journalism. (5-0-5)

Course includes instruction in taking, developing and printing pictures for news purposes. Student must have 35mm camera. *Spring.*

245. Radio and Television Production. (5-0-5)

Introduction to television studio equipment and pre-production elements necessary to produce a television show. Prerequisite: COM 215. *Winter.*

310. Advanced Reporting. (5-0-5)

Instruction and practice in reporting all areas of public affairs. Includes ethics of journalism, law of libel, right of privacy, fair comment and criticism, privileged matter, etc. Prerequisite: COM 200. *Spring.*

311. Feature Writing. (5-0-5)

Designed to further develop a student's skill in researching, organizing, and writing news features and human interest stories. Prerequisite: COM 200. *Fall.*

351. The Mass Media and Popular Culture. (3-0-3)

Investigation and evaluation of the mass media and popular arts and their societal impact. *Winter.*

364. The Black Press. (5-0-5)

The course provides a historical and analytical survey of the Black press in America. *Spring.*

451. Language and Persuasion. (5-0-5)

Principles and practices of classical, tribal African, 18th Century American, and contemporary Black rhetoric, including language of politics, religion, and other significant modes. *Winter, alternate years.*

470. Speech for Radio and Television. (3-0-3)

The course is designed to teach the basic techniques of radio and television broadcasting. Emphasis on newscasting, advertising, sportscasting, and announcing formats.

491. On-Campus Media Internship. (2-8-5)

Student will intern with an on-campus agency involved in the medium of the student's concentration. *On demand with consent of instructor.*

492. Professional Media Internship. (0-10-5)

Open only to juniors and seniors majoring in mass communications; work with various professional media in the Savannah area. Prerequisite: COM 200 and 491. *On demand with consent of instructor.*

RELIGIOUS AND PHILOSOPHICAL STUDIES

200. Introduction to Philosophy. (5-0-5)*

The methods and purposes of philosophers, the major schools of philosophy, and the major questions to which philosophers address themselves. *Fall, Spring.*

201. The Psychology of Religion. (3-0-3)*

The function of religion in a person's life; his responses to his beliefs, feelings, and actions as represented by the major religions of the world. *Spring.*

202. The Philosophies of Love. (3-0-3)

Views on the nature of love and their historical, psychological and religious sources. *Spring.*



301. Classical Greek Philosophy: Socrates, Plato and Aristotle. (3-0-3)

A study of the major works of Plato and Aristotle with emphasis upon their concepts of value, reason and ethics. Major works of the philosophers will be read and evaluated. *Winter.*

303. Understanding the Old Testament. (5-0-5)

Literature and ethics of the Old Testament, as a history of the early Jewish people and as a background of Christianity. *Spring, alternate years.*

304. Understanding the New Testament. (5-0-5)

A study of the teachings of Jesus and of the history of the early Christian church as revealed in the literature of the New Testament. *Winter, alternate years.*

305. Understanding Buddhism and Hinduism. (2-0-2)

Emphasis will be placed upon Theravada Buddhist philosophy, literature and monastic life in India, China, Tibet, and Japan. Hinduism will be viewed both as a major religion and as a relative to Buddhism. *Fall, alternate years.*

306. Understanding Islam. (2-0-2)

Emphasizes the history and growth of Islam, the role of Muhammad, the fundamentals of Islamic beliefs and observances, the significance of the Koran, and its status in the world today. *Winter, alternate years.*

307. Religion and The Black Experience in America. (3-0-3)

Religions, life, organizations, ideas, and leaders of Black Americans. *Spring.*

401. Seminar in Medieval Philosophy and Religion. (5-0-5)*

Advanced course. Special attention will be given the works of St. Thomas Aquinas and Maimonides. *Spring.*

402. Contemporary Thought in Religion and Philosophy. (3-0-3)

Study and research within the area of social ethics as it applies to contemporary life. Religion and human rights will be one aspect of this course. *Winter.*

403. Independent Study in Religion/Philosophy. (1-0-1 to 5-0-5)

The student will select a special topic, era, or person for detailed, supervised research. *On demand with consent of the instructor.*

MUSIC AND ART

The courses in Music lead to the Bachelor of Arts degree; there are concentrations to fit the students interest in several areas, such as history and literature, theory, performance. If a student wishes to be certified as a public school teacher, he/she may take education courses at Armstrong State College. A minor in music is available.

*Required for the minor.

ADMISSION TO THE MUSIC PROGRAM

It is desirable that all applicants for admission to the major program in music will have at least two years of previous musical training in the vocal and/or instrumental areas. The Department will determine by aptitude test and individual auditions the applicants theoretical knowledge, instrumental and vocal proficiency, and general professional fitness for the program. This information will serve as a guide to the Department in helping the applicant to plan his college work.

MUSIC CURRICULUM

JUNIOR COLLEGE CURRICULUM: 98 Quarter hours

Core Curriculum Requirements: 90 hours

Area I — Humanities: 20 hours

English 107-108-109	15 hours
Humanities 232 or 233	5 hours

Area II — Mathematics and Natural Sciences: 20 hours

Mathematics 107	5 hours
Biology 123-124	10 hours
Physical Science 203	5 hours

Area III — Social Sciences: 20 hours

History 101-102-202-or 203	15 hours
Political Science 200	5 hours

Area IV — Courses Appropriate to the Major: 30 hours

Humanities 233 or 234	5 hours
Music 021, 041, 051	1 hour
Music 110	3 hours
Music 111-112-113	9 hours
Music 211-212-213	9 hours
Music 121-122-123, or 131-132-133, or 141-142-143	3 hours

Additional Requirements: 8 hours

Physical Education	6 hours
Student Life 101	2 hours

SENIOR COLLEGE REQUIREMENTS: 95 Quarter hours

Major Requirements: 44 hours as specified

Music 124-125-126, or 134-135-136 or 144-145-146	3 hours
Music 221-222-223, or 231-232-233 or 241-242-243	3 hours
Music 224-225-226, or 234-235-236 or 244-245-246	3 hours
Music 321-322-323, or 331-332-333 or 341-342-343	3 hours
Music 307-311-314-315-316-407-411-412	24 hours
Music 324-325-326, or 334-335-336 or 344-345-346	3 hours
Music 421 or 431 or 441	1 hour
Music 424 or 434 or 444	1 hour

Academic Minor 29 hours

Music Electives: Theory, Literature 9 to 15 hours

Specific Electives: 14 hours	
Music 022-023-024-025, 042-043-044-045, 052-053-054-055 .	4 hours
French 141, German 151	10 hours

MAJOR COMPREHENSIVE EXAMINATION

Senior Music majors are required to take a departmental examination and present a Senior Recital or an appropriate project.

DESCRIPTION OF COURSES

MUSIC (MUS)

021-022-023-024-025-041-042-043-044-045-051-052-053-054-055.
Band, Men’s Glee Club, Women’s Ensemble. (0-2-1)

These organizations are open for elective credit to all students, but participation by majors in music is required for four years. *Fall, Winter, Spring. Credit given for three quarters during the Freshman year, two quarters during the Sophomore year.*

100. Fundamentals of Music. (3-0-3)

A course in rudiments of music designed for non-music majors.

110. Introduction to Music Literature. (3-0-3)

Survey course for the improvement of musical standards. Elements of music; composers and their contributions in different periods of musical development; acquaintance with orchestra and other instruments and voice ranges. Includes style developments in their historical settings. *Winter.*

111-112-113. Theory I (Ear-Training and Sight-Singing). (1-4-3)

A course in notation, time signatures, major and minor scales, intervals, melodic and rhythmic problems, song reading and musical dictation. *Fall, Winter, Spring.*

121-122-123. Fundamentals of Band Instruments. (1-0-1)

Brass, Woodwind, and Percussion. Basic elements for the brass and woodwinds include embouchure control, breath control, time and key signatures, scales, and phrasing. Percussion players are required to perfect single taps and are introduced to basic drum rudiments. *Fall, Winter, Spring.*

124-125-126. Applied Major Area—Band Instruments. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled and periodic performance will be expected of the student during each year of training. *Fall, Winter, Spring.*

131-132-133. Fundamentals of Piano. (1-0-1)

These courses introduce techniques and basic musical knowledge such as notes, time signature, tempo markings, fingering, and phrasing. *Fall, Winter, Spring.*

134-135-136. Applied Major Area—Piano. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student during each year of training. *Fall, Winter, Spring.*

141-142-143. Fundamentals of Voice. (1-0-1)

Vocal technique, diction, breathing, and posture are stressed and applied to songs with specific vocal problems. *Fall, Winter, Spring.*

144-145-146. Applied Major Area—Voice. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student during each year of training. *Fall, Winter, Spring.*

151. Class Guitar. (1-0-1)

Course designed for non-guitar majors. Emphasis given to techniques for accompaniment and recreational purposes. Open to all students.

161-162. Class Piano. (1-0-1)

Course designed for beginning piano students. Emphasis given to music reading and elementary techniques. Designed for non-music majors.

200. Survey of Music History. (3-0-3)

The history of music with emphasis on genres, style changes and cultural forces. Open to all students.

201. Church Music and Worship I. (2-0-2)

Biblical and philosophical bases of worship, the church year various liturgies, music in the free church.

202. Church Music II: Hymnody. (2-0-2)

Biblical and early christian hymns, Latin hymnody, the chorale, psalmody, English and American hymnody, gospel song, contemporary trends.

203. Church Music III: Children Choirs. (2-0-2)

The multiple choir system. Teaching religion through music. Music materials for children.

210. Afro-American Music. (3-0-3)

A cultural analysis of African folk music and its influence upon the development of spirituals, work songs, and jazz. Contributions of Afro-American music to both popular and classical traditions will be studied. *Fall, Winter, Spring. Elective.*

211-212-213. Theory II. (1-4-3)

A continuation of Theory I. Diatonic harmony, modulation, chromatic chords, modes, harmonizations from melody and bass, analysis of examples.

221-222-223. Intermediate Band Instruments. (1-0-1)

Brass, Woodwind and Percussion. A continuation of the basic elements and techniques. An introduction to solo and chamber music is made. Percussion players will commence study on other instruments such as snare, brass, and kettle drums. *Fall, Winter, Spring.*

224-225-226. Applied Major Area-Band Instruments. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student during each year of training. *Fall, Winter, Spring.*

231-232-233. Intermediate Piano. (1-0-1)

A continuation of MUS 131-132-133. Such skills as memorization, sight-reading, harmonization, and transposition will be additional goals. *Fall, Winter, Spring.*

234-235-236. Applied Major Area-Piano. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall, Winter, Spring.*

303. Chamber Music Literature. (3-0-3)

A survey of chamber music from 1750 to present.

305. Choral Literature. (3-0-3)

The literature and performance practices of various periods, the history of choral music, study of representative works of English, Italian, German and American composers. *Spring.*

306. Choral Techniques. (3-0-3)

This course is designed to develop basic techniques for choral musicians. Meter pattern, preparatory beats, cueing, diction, blend, balance, and intonation are discussed. Musical scores are prepared. *Fall, Winter, Spring. Elective.*

307. Orchestration and Instrumentation. (3-0-3)

A study of the range, playing techniques, and musical characteristics of all instruments with emphasis upon the orchestral score and the writing of music for instrumental ensembles. *Fall.*

309. Jazz Arranging (3-0-3)

Chord structure and progressions, rhythms, voicing and instrumentation, scoring, arranging applied to jazz. Prerequisite: MUS 213. *Spring.*

310. Jazz Ensemble. (3-0-3)

This course is designed to expose the student to composers and arrangers of jazz, rock, and soul music. The subject of improvisation is also included. *Fall, Winter, Spring. Elective.*

311. Theory III (Form and Analysis). (3-0-3)

A study of the construction of music from the eighteenth century to the present, including the harmonic and melodic analysis of pieces by major composers. *Spring.*

314-315-316. History and Literature of Music. (3-0-3)

A survey of the history of music from the beginning of the Christian era to the present. Emphasis is placed upon a study of representative works by major composers, together with a comprehensive analysis of style and musical development. *Fall, Winter, Spring.*

317. Symphonic Music Literature. (3-0-3)

Orchestral music from the 18th century through the present.

321-322-323. Advanced Band Instruments. (1-0-1)

Brass, Woodwind, and Percussion. Emphasis is placed on building a music library of concert materials and methods. Wind instrument players will develop their ability to execute with facility and will study various percussion instruments of definite pitch. *Fall, Winter, Spring.*

324-325-326. Applied Major Area — Band Instruments. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall, Winter, Spring.*

331-332-333. Advanced Piano. (1-0-1)

Students are expected to cover more advanced materials and display certain technical skills. The development of repertoire will be stressed. *Fall, Winter, Spring.*

334-335-336. Applied Major Area — Piano. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall, Winter, Spring.*

341-342-343. Applied Voice. (1-0-1)

The continuation of vocal technique studies in previous courses. Vocal forms in several languages will be introduced. *Fall, Winter, Spring.*

344-345-346. Applied Major Area — Voice. (1-0-1)

These courses are devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall, Winter, Spring.*

400. Vocal Pedagogy. (2-0-2)

Methods and materials for the studio.

401. Piano Pedagogy. (2-0-2)

Methods and materials for teaching individuals and classes of both children and adults. (Demonstration hours included). *Spring.*

403. Keyboard Literature (1700-1850). (3-0-3)

Literature for stringed keyboard instruments from one of Bach and his contemporaries through early romantics. Historical, stylistic, formal and aesthetic features. *Fall.*

405. Piano Literature (1850 to present). (3-0-3)

Historical, stylistic features late romantic through present period, including works by Afro-American composers. *Winter*.

406. Opera and Art Song Literature. (3-0-3)

Listening with scores to representative opera and art song selections from various historical periods.

407. Conducting. (3-0-3)

A study of the techniques of conducting and interpretation. *Fall*.

409. Introduction to Musicology. (3-0-3)

Prerequisite: All music history, form and analysis, counterpoint. Reading research literature and studying examples of music from various epochs and cultures.

410. Modern Music. (3-0-3)

A study of compositions written since 1900 with particular emphasis upon recent developments in form, compositional techniques, and new media of musical expression. *Fall, Winter, Spring. Elective*.

411-412. Theory IV Counterpoint and Composition. (3-0-3)

Consonance and dissonance; specie counterpoint in several parts, simple fugues, twentieth century linear techniques. *Fall, Winter*.

413. Seminar in Composition. (3-0-3)

Creative work in small and larger forms.

414. Stylistic Analysis of Jazz. (3-0-3)

An overview of jazz styles and techniques, application of principles of improvisation, including nomenclature, chord-scales, patterns, melodic development, and free form devices. Prerequisite: Consent of instructor. *Fall, Winter, Spring*.

415. Introduction to Electronic Music. (3-0-3)

Terminology, methods, experiments with tape modification, mixed media compositions.

421. Senior Band Instruments. (1-0-1)

Brass, Woodwind and Percussion. Continued emphasis is placed on building a music library, concert materials, and methods. Stress is placed on complete mastery in playing and in public performances. *Fall*.

424. Applied Major Area — Band Instruments. (1-0-1)

This course is devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall*.

431. Senior Piano. (1-0-1)

Concert repertoire and public performances will be stressed. *Fall*.

434. Applied Major Area — Piano. (1-0-2)

This course is devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor. Regular lessons are scheduled, and periodic performances will be expected of the student. *Fall.*

441. Senior Voice. (1-0-1)

During this quarter, the student will concentrate primarily on perfecting his repertoire. *Fall.*

444. Applied Major Area — Voice. (1-0-1)

This course is devoted to the development of proficiency in a specific area of applied music selected by the student with the consent of advisor.

DESCRIPTION OF COURSES

ART (ART)

103. Basic Design. (1-8-5)

An introduction to the core principles and elements of graphic and plastic design. Problems and discussion evolve around two and three dimensional design. *Fall.*

108. Drawing I. (0-8-4)

The basic elements of drawing — form, contour, gesture, perspective, proportion, and texture — are taught through the use of charcoal, conte crayon, pencil, pen and ink, and wash. Drawing from models, still life and landscape gives the student a sound knowledge of drawing and construction. Prerequisite: ART 103 or permission of instructor. *Winter.*

109. Drawing II. (0-8-4)

Portrait and figure drawing, study of anatomy as to proportion and balance of the human figure. Drawing from the live model with an emphasis on structure, interpretation and movement. The course develops accurate observations, the understanding of the human figure, and an effective use of drawing media. Prerequisite: 108 or permission of instructor. *Spring.*

216. Crafts I. (0-6-3)

Experiences in significant craft materials: wood, fabrics, and metal. Students will experience elementary weaving techniques, fabric printing, jewelry and metal projects, and techniques of wood crafts. Prerequisite: ART 108. *Fall.*

217. Crafts II. (0-6-3)

A continuation of ART 216. *Winter or Spring.*

238. Ceramics I. (1-4-3)

An initial study of ceramic processes such as modeling, stacking, firing, glazing, and decorating ceramic forms. *Fall.*

239. Ceramics II. (0-6-3)

A continuation of ART 238. Emphasis on design, decorating, and classroom application in the public schools. *Winter.*

240. Ceramics III. (1-8-5)

A study of ceramic materials and processes used in designing, constructing, glazing and firing earthenware and stoneware clays. There will be opportunities to do hand-building and wheel work, and to build small ceramic sculpture. *Spring.*

302. Photography I. (1-4-3)

An introductory course which emphasizes the basic principles and practices of black and white photography, including camera work and darkroom techniques. Special assignments and evaluations. 3 hours credit.

303. Photography II. (1-4-3)

A continuation of principles and techniques introduced in Photography I, with emphasis on the application of and refinement of printing techniques. Special assignments and evaluations. Prerequisite: Photography I. 3 hours credit.

322. Painting I. (0-10-5)

An introduction to painting media and techniques including encaustic and gouache. *Winter.*

323. Painting II. (0-10-5)

A continuation of Painting I. Emphasis on advanced techniques, easel and mural designs. *Spring.*

333. Sculpture. (0-10-5)

A study of three-dimensional forms and the limitations of sculptural media. Experiences include work in clay, wood, stone, metal, and plaster. *Spring.*

350. History of Art I. (3-0-3)

A chronological perspective of art history from pre-historic times to the Renaissance. *Fall.*

351. History of Art II. (3-0-3)

A chronological perspective of art history from the Renaissance to the end of the nineteenth century. *Winter.*

352. History of Art III. (3-0-3)

A chronological perspective of art history of the twentieth century including a study of the major achievements and expressional trends in architecture, painting, sculpture and graphic art. *Spring.*

430. Printmaking I. (1-6-4)

Designed to provide creative experiences in the reproductive arts. Experiences evolve around monotype and linoleum, also initial experiences in advanced forms of printmaking, such as lithograph. Discussion on survey of world printmakers. *Fall.*

431. Printmaking II. (1-8-5)

This is a comprehensive course designed explicitly for printmaking in the community. Experiences will be offered in relief and intaglio prints, paperplate lithograph, stencil and fabric printing. *Winter.*

432. Printmaking III. (0-10-5)

This course is designed to explore new techniques, ideas, and combinations in Printmaking. It emphasizes innovations such as collagraphs, woodcuts on textiles, silkscreen, and combinations of woodcuts or silkscreen with etchings or collagraph. *Spring. Elective.*

THE FRENCH, GERMAN, AND SPANISH MINOR

The French, German and Spanish minors aims: (1) to develop the ability to communicate in a foreign language; (2) to instill respect for other peoples and other cultures; (3) to develop an appreciation for the artistic expressions which are found in other languages; and (4) to bring about a greater awareness of our cultural heritage. Underlying these aims is the ultimate goal of preparation for a more effective life.

To realize these aims the Department offers instruction in French, German and Spanish. The French minor comprises French 241, 242, 243, 341, 342, 343. The German minor comprises German 251, 252, 253, 351, 352, 353. The Spanish minor consists of Spanish 261, 262, 263, 361, 362, 363.

Twenty-five quarter hours are required for a minor in French, German or Spanish.

Study Abroad Programs of the University System of Georgia allow for earning 15 or more hours in French or Spanish by summer study in France, Germany, Mexico, or Spain.

DESCRIPTION OF COURSES

FRENCH (FRE)

141-142-143. Elementary French. (4-2-5)

For students with no previous language study. Practice in hearing, speaking, reading and writing everyday French. To be taken in sequence. *All quarters.*

201-202-203. French Cultural Activities. (2-0-1)

Knowledge of culture to be refined through viewing and discussing films, slides, maps and charts; listening to recordings and learning songs, dances; participation in typical games; short lectures on art, history, customs; short drama production possible. Prerequisite: Present or previous enrollment in any French course.

241-242. Intermediate French. (5-0-5)

Intensive review of basic principles of the language; practice in speaking and writing based on textual readings. To be taken in sequence. Prerequisite: FRE 143.

243. Conversation and Composition. (5-0-5)

To accustom the student to understand, speak, and write conversational French. Prerequisite: FRE 242.

341-342. Survey of Literature. (3-0-3)

Study of literature from present to past, terminating with the *chanson de geste*. Emphasis on such writers as Sartre, Baudelaire, Balzac, Hugo, Rousseau, Moliere, Pascal, Montaigne, Rabelais. Prose, poetry and drama. Prerequisite: FRE 242.

343. French Civilization. (4-0-4)

Acquaintance of the student with principal contributions of France to Western Civilization. Prerequisite: FRE 242.

344. Oral Communication. (5-0-5)

Further development of ability to understand and speak French. Discussion of national and international topics from news media and French publications. Prerequisite: FRE 243.

345-346-347. Study in France. (5-0-5)

One summer in the Study Abroad Program of the University System of Georgia. The student takes language, literature and civilization courses and participates in extracurricular activities, including cultural tours. Prerequisite: FRE 243.

GERMAN (GER)

151-152-153. Elementary German. (4-2-5)

For students with no previous language study. Practice in hearing, speaking, reading, and writing everyday German. To be taken in sequence. *Fall, Winter, Spring.*

201-202-203. German Cultural Activities. (2-0-1)

Knowledge of culture to be refined through viewing and discussing films, slides, maps, charts; listening to recordings and learning songs, dances; participation in typical games; short lectures on art, history, customs, short drama production possible. Prerequisite: present or previous enrollment in any German course.

251-252. Intermediate German. (5-0-5)

Intensive review of basic principles of the language; practice in speaking and writing based on textual readings. To be taken in sequence. Prerequisite: GER 153.

253. Conversation and Composition. (5-0-5)

To accustom the student to understand, speak, and write conversational German. Prerequisite: GER 252.

351-352. Survey of Literature. (3-0-3)

Study of literature from present to past. Prerequisite: GER 252.

353. German Civilization. (4-0-4)

Acquaintance of the student with principal contributions of German to Western civilization. Prerequisite: GER 252.

354. Oral Communication. (5-0-5)

Further development of ability to understand and speak German. Discussion of national and international topics from news media and German publications. Prerequisite: GER 253.

355-356-357. Study in Germany. (5-0-5)

One summer in the Study Abroad Program of the University System of Georgia. The student takes language, literature and civilization courses and participates in extracurricular activities, including cultural tours. Prerequisite: GER 253.

SPANISH (SPA)**161-162-163. Elementary Spanish. (4-2-5)**

For students with no previous language study. Practice in hearing, speaking, reading and writing everyday Spanish. To be taken in sequence. *All quarters.*

201-202-203. Spanish Cultural Activities. (2-0-1)

Knowledge of culture to be refined through viewing and discussing films, slides, maps, charts; listening to recordings and learning songs, dances; participation in typical games; short lectures on art, history, customs; short drama production possible. Prerequisite: Present or previous enrollment in any Spanish course.

261-262. Intermediate Spanish. (5-0-5)

Intensive review of basic principles of the language; practice in speaking and writing based on textual readings. To be taken in sequence. Prerequisite: SPA 163.

263. Conversation and Composition. (5-0-5)

To accustom the student to understand, speak, and write conversational Spanish. Prerequisite: SPA 262.

265-266. Spanish For Community Workers and Law Enforcement Officers. (3-1-3)

Objective is development of basic comprehension and speaking ability stressing expressions used in typical situations with Latin-Americans in U.S. cities, and enhancement of student's performance potential on future job assignments. Supported by reading and writing.

361-362. Survey of Literature. (3-0-3)

Introduction to some of the principal authors, works, and ideas in the literature of Spanish-speaking countries. Prerequisite: SPA 262.

363. Spanish Civilization. (4-0-4)

To acquaint the student with the principal contributions of Spain to Western civilization. Prerequisite: 262.

364. Oral Communication. (5-0-5)

Further development of ability to understand and speak Spanish. Discussion of national and international topics from news media and Spanish magazines. Prerequisite: SPA 263.

365-366-367. Study Abroad. (5-0-5)

One summer in the Study Abroad Program of the University System of Georgia. The student takes language, literature and civilization courses and participates in extracurricular activities including cultural tours. Prerequisite: SPA 263.



DEPARTMENT OF SOCIAL AND BEHAVIORAL SCIENCES

OTIS JOHNSON, *Acting Head*

Benny Arkwright
Annette K. Brock
Thomas H. Byers
Jonelle B. Gordon
Lawrence Harris
Gaye H. Hewitt
Isaiah McIver
Delacy W. Sanford
Thomas E. Sears

John E. Simpson
Ella H. Sims
Steven R. Smith
Bill R. Stephenson*
Merolyn S. Gaulden
Hanes Walton, Jr.
Daniel Washington
Eugene E. Welch
Pamela Johnson, Secretary

The Department of Social and Behavioral Sciences seeks to provide an understanding of the disciplines of Criminal Justice, Gerontology, History, Political Science, Psychology, Sociology, Social Work, and Urban Studies, as well as to provide for the development of scholarly attitudes, civic awareness, and an appreciation of human and cultural backgrounds and relationships. The department also seeks to involve faculty and students in activities that address the issues, concerns, problems, resources, and opportunities of urban and coastal communities.

The Department of Social and Behavioral Sciences offers five majors. The Bachelor of Arts degree is offered in History and Political Science. The Bachelor of Science degree is offered in Criminal Justice and Sociology. A Bachelor of Social Work degree is offered in Social Work.

The department offers minor programs in Afro-American Studies, Criminal Justice, Gerontology, History, International Studies, Political Science, Sociology, Social Work, and Urban Studies.

MINORS IN SOCIAL AND BEHAVIORAL SCIENCES

The Division of Social Sciences offers the following minors:

<i>History</i>	Quarter Hours
HIS 351 or 352	5
HIS 331-332	10
HIS 353	4
Electives (HIS 308, 370, 380, 401, 408)	10
	—
	29

<i>Gerontology</i>	Quarter Hours
GER 201	4
SWK 250	5
GER 301	2
GER 302	2
GER 320	2
GER 410	5
GER electives	9
	—
	29

*On Leave 1981-1982

<i>Urban Studies</i>	Quarter Hours
URB 301	5
URB/PSC 350	5
URB/PSC 392	5
URB/PSC 410	5
URB/ECO 404	5
	<hr/>
	25

<i>*Social Work</i>	Quarter Hours
SWK 320	5
SWK 330	5
SWK 333	5
SWK 440	5
Elective (SWK 406, 410, or 430) .	5
	<hr/>
	25

*Social Work 250 - Introduction to Social Work is a prerequisite to entering the minor. It is listed in Area IV of the Social Work major.

<i>Criminal Justice</i>	Quarter Hours
CRJ 200	5
CRJ 301	5
CRJ 303	5
CRJ 330	5
CRJ 401	5
CRJ 413	4
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	29

<i>International Studies</i>	Quarter Hours
INS 205	4
PSC 498	5
INS 307	5
HIS 380	5
PSC 391 or HIS 410	5
Elective (HIS 370, 380; PSC 391, 498; or ECO 405)	5
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	29

***Afro-American Studies* Quarter Hours**

The student will select 29 hours from the following:

HIS 308	5
HIS 312	5
HIS 411	5
ECO 404	5
MUS 210	3
ENG 315	3
ENG 317	3
SOC 460	5

***Psychology* Quarter Hours**

PSY 301	4
PSY 302	5
Psychology Electives	20

29

Students who minor in Psychology are required to take 29 hours in Psychology above the 200 level and are required to take PSY 301 and PSY 302. Students may select electives from other Psychology courses above the 300 level.

***Political Science* Quarter Hours**

PSC 200	5
PSC 303	5
PSC 304	5
PSC 310	5
PSC 403	5
PSC 405	4

29

***Sociology* Quarter Hours**

SOC 201	4
SOC 315	5
SOC 340	5
SOC 350	5
SOC 454	5
SOC 460	5

29

HISTORY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107, 108, or 109	5 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202	10 hours
Physical Science 203	5 hours

Area III — Social Sciences: 20 hours required

History 101-102	10 hours
Political Science 200	5 hours
Psychology 201	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

History 202-203	10 hours
Social Science 111	5 hours
Economics 200	5 hours
A sequence from the following:	
Elementary French 141-142	
Elementary German 151-152	
Elementary Spanish 161-162	10 hours

Additional Requirements:

Physical Education	6 hours
General Education 10	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 98 quarter hours

Major Requirements: 54 hours as specified

HISTORY 301-331-332-351-352-353-370-380-460	44 hours
10 hours from the following:	
HIS 408, 411, 413, 414	10 hours

Minor Requirements 29 hours

General Elective 5 hours

COMPREHENSIVE EXAMINATION FOR HISTORY MAJORS

Senior history majors are required to take the Advanced Test in History of the Graduate Record Examination (GRE) as the comprehensive examination in their field.

SOCIOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-200-201	10 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202	10 hours

Area III — Social Sciences: 20 hours required

History 101-102	10 hours
History 202-203	10 hours

Area IV — Courses Appropriate to the Major: 30 hours required

SOC 201	5 hours
SOS 250	5 hours
ANT 201	5 hours
PSC 200	5 hours
PSY 201	5 hours
ECO 200	5 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 99 quarter hours

Major Requirements: 55 hours as specified

Sociology 201-315-345-350-423-454-455-460	40 hours
Social Work 250-320	10 hours
Social Science 300	5 hours

Minor Requirements 29 hours

General Electives 15 hours

**COMPREHENSIVE EXAMINATION FOR
SOCIOLOGY MAJORS**

Senior sociology majors are required to take the Advanced Test in Sociology of the Graduate Record Examination (GRE) as the comprehensive exit examination in their field.

Courses required for a major in the Department of Social and Behavioral Sciences:

CRIMINAL JUSTICE CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107, 108, or 110	5 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202	10 hours
Physical Science 203	5 hours

Area III — Social Sciences: 20 hours required

History 101-102	10 hours
Political Science 200	5 hours
Social Science 201	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

History 202-203	10 hours
Sociology 201	5 hours
Social Science 111	5 hours
Criminal Justice 200-201	10 hours

Additional Requirements:

Physical Education	6 hours
General Education 10	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 94 quarter hours

Major Requirements: 50 hours as specified

Criminal Justice 300-301-303-330-332-401-403-405-407-413	
SOC 390	50 hours

Minor Requirements	29 hours
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Recommended Electives:

Three of the following:	
Criminal Justice 395-408-410-460	15 hours

COMPREHENSIVE EXAMINATION FOR CRIMINAL JUSTICE MAJORS

Senior criminal justice majors are required to take an institutional comprehensive exit examination in their field and are urged to take the aptitude section of the Graduate Record Examination.

POLITICAL SCIENCE CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107, 108, or 109	5 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202	10 hours
Physical Science 203	5 hours

Area III — Social Sciences: 20 hours required

History 101-102	10 hours
Political Science 200	5 hours
Psychology 201	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

History 202-203	10 hours
Foreign Languages	10 hours
FRE 141-142	
GER 151-152	
SPA 161-162	
Mathematics 200-201	5 hours
SOS 111	5 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 94 quarter hours

Major Requirements: 55 hours as specified

Mathematics 217	5 hours
Political Science 303-304-310-311-390-391-392-403-450-499	50 hours

Minor Requirements 29 hours

General Electives 10 hours

COMPREHENSIVE EXAMINATION FOR POLITICAL SCIENCE MAJORS

Senior political science majors are required to take the Advanced Test in Political Science of the Graduate Record Examination (GRE) as the comprehensive exit examination in their field.

SOCIAL WORK CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-200-201	10 hours
Ten-hour laboratory sequence from the following:	
Biology 123-124 or 126-127	
Chemistry 101-102	
Physics 201-202	10 hours

Area III — Social Sciences: 20 hours required

Psychology 201	5 hours
Political Science 200	5 hours
History 102-*202	10 hours

Area IV — Courses Appropriate to the Major: 30 hours required

History 203	5 hours
Sociology 201	5 hours
Social Work 250	5 hours
Spanish 265-266	6 hours
Social Sciences 300	5 hours
Gerontology 201	4 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 95 quarter hours

Major Requirements: 60 quarter hours as specified

Social Work 309-320-330-333-334-335-440	35 hours
Two of the following:	
Social Work 406, 410 or 430	10 hours
Social Work 451-452-475	15 hours

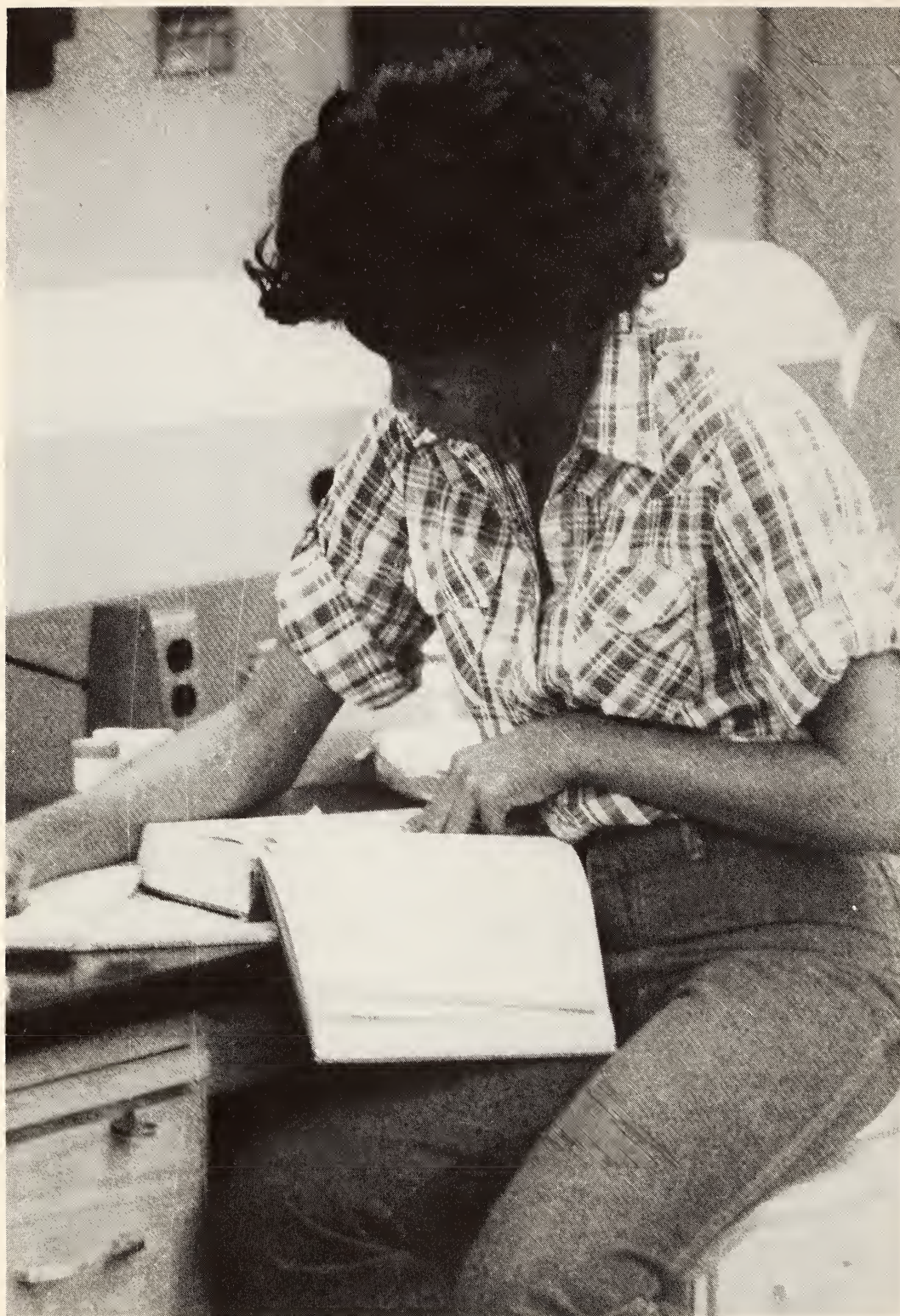
Required Related Courses: 10 quarter hours

Psychology 310	5 hours
Sociology 315	10 hours
Criminal Justice 301	
Psychology 426	
Political Science 397	
Computer Science 200	
Urban Studies	

Minor Requirements	29 hours
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COMPREHENSIVE EXAMINATION FOR SOCIAL WORK MAJORS

Senior social work majors are required to take an institutional examination as the comprehensive examination in their field and the aptitude section of the Graduate Record Examination.



DESCRIPTION OF COURSES

SOCIAL SCIENCES

108. History and Theory of Debate. (3-0-3)

Designed to familiarize the student with the evolution, theories, and value of persuasive argumentation as an art. *Elective*. Prerequisite: Consent of instructor.

111. World and Human Geography. (5-0-5)

A study of man's relationship to his natural, physical and cultural environment; world patterns of population, climate, and industrial development; problems of agriculture, commerce, trade, transportation and communication; conservation of natural resources. *Fall, Winter, Spring*.

250. Social Statistics. (5-0-5)

An introduction to statistical methods relevant to the social and behavioral sciences. Measures of central tendency and dispersion; probability distributions; inferences concerning means; standard deviations and proportions; the t distributions; the one-way and two-way analysis of variances; the chi-square test; correlation and regression.

290. Individual Appraisal in the Social Sciences. (1-0-1)

Designed to help students improve their test-taking skills and their performance on standardized tests. Open to all students. This course is required of social science majors but may serve as an elective for majors in other areas.

SOS 300. Research in the Social Sciences. (5-0-5)

A survey of methods and techniques designed to acquaint students with various types of research utilized in the social and behavioral sciences.

HISTORY (HIS)

101. History of World Civilizations. (5-0-5)

A survey of the major civilizations of the world from the earliest times to about 1500. *All quarters*.

102. History of World Civilizations. (5-0-5)

A survey of the major civilizations of the world from about 1500 to the present; continuation of HIS 101. *All quarters*.

201. History of American Military Affairs. (5-0-5)

This course is an introductory survey of military affairs in the United States from the Revolution to the present. Its major purpose is to acquaint the student with the American military experience, to emphasize the problems involved in waging war, and to examine the effects of waging war on the society that wages it.

202/203. History of the United States Since the Civil War. (5-0-5)

A survey of Afro-American and American History from the Civil War to the present. *Winter, Summer*.

301. Historical Research. (5-0-5)

Analysis of the sources, and critical methods in evaluating, organizing and using such materials. Attention to selected outstanding historians and distinctive types of historical writing. Prerequisites: HIS 202-203-331-332-353. *Spring*.

308. Afro-American History. (5-0-5)

A survey of the history of Afro-Americans beginning with the African background and continuing to the present.

312. The Afro-American in the 20th Century. (5-0-5)

Major emphasis is placed on the modern Afro-American experiences such as Afro-American participation in the World Wars, the Depression, and the struggles for civil rights, identity, and self-determination.

331. History of Early Modern Europe. (3-0-5)

History of Europe from about 1500 until the French Revolution, covering the Reformation, Scientific Revolution, absolutism, family and demographic developments, and the Enlightenment. Lectures and assigned readings. *Winter*.

332. History of Modern Europe. (5-0-5)

A detailed study of the political, social, economic, and intellectual developments in Europe since 1789. Emphasis is on western Europe. Lectures, assigned readings, research papers. *Spring*.

351. American Revolution and New Nation. (5-0-5)

An examination and analysis of the formative forces in American life during the period from the 1750's through the launching of a new system of national government under the Constitution of 1787. *Fall*.

352. American Civil War and Reconstruction. (5-0-5)

An intensive examination and analysis of the forces at work in American life during the crucial period from 1840 through 1877. *Winter*.

353. Recent American History. (4-0-4)

An intensive study of the political, social, and economic history of the United States from the First World War to the present. *Spring*.

370. The History of Latin America. (5-0-5)

An appraisal from both an historical viewpoint of the political, intellectual, social and economic development of Latin America and its relations with the United States. Prerequisites: HIS 202, 203. *Winter*.

380. History of the Far East. (5-0-5)

An introduction to the civilization and culture of the Far East with special attention to the roles of China, Japan, and India in world affairs during the last century. Prerequisites: HIS 202-203-331-332. *Winter*.

395-396-397. Internship. (Varies)

An individually designed course-project involving off campus study and research in a government or private agency, during which the student will be under the joint supervision of the sponsoring agency and his faculty advisor. To be arranged by faculty advisor and department chairman.

401. Social and Intellectual History of the United States. (5-0-5)

An examination of the principal social and intellectual trends since the Jacksonian era with the purpose of increasing the student's awareness of the social and intellectual forces at work in contemporary America and their historical precedents. *Winter.*

402. Individual Study and Independent Research.

This course provides an opportunity for students to do supervised, individual reading or to engage in research in the field, classroom, or library in selected areas of the social sciences under the supervision of a member of the division. Open only to qualified juniors and seniors. *3 to 5 credit hours.* Students must register for course.

408. History of Russia Since 1815.

An examination of the major economic and political developments in addition to the various reform movements of Tsarist Russia. Emphasis is placed on the October Revolution and its aftermath. Prerequisites: HIS 331-332. *Fall.*

411. History of African and Afro-American Thought. (5-0-5)

This course is designed to deal primarily with the ideas, institutional practices, values, and ideologies embraced by Africans and Afro-Americans historically and contemporaneously. It incorporates the philosophy and tactics of accommodation, integration, and separation.

413. History of England to 1688. (5-0-5)

A study of the political, social, economic, and intellectual movements in England. Emphasis on constitutional developments in the medieval period and during the early modern era. *Fall.*

414. History of England Since 1688. (5-0-5)

A study of the political, social, economic, and intellectual movements in England since the Glorious Revolution. Emphasis is given to those factors which enabled Britain to rise to a position as a world power and the decline of British influence in the twentieth century. *Fall.*

SOCIOLOGY (SOC)**201. Introduction to Sociology. (4-0-4)**

An analysis of the development of human group life; structure of the social environment and its influence upon the individual's behavior. *Fall.*

315. The Family. (5-0-5)

The role of the family in the development of the individual. Current psychological, economic, social, educational, and ethical problems of marriage and family life. Prerequisite: SOC 201. *Spring.*

350. Modern Social Problems. (5-0-5)

Analysis of the causes of poverty, disease, crime, family disintegration, and personality maladjustments; preventive measures for human problems. Prerequisite: SOC 201. *Fall*.

395-396-397. Internship. (0-0-5)

The student will pursue an individually designed course-project involving off-campus study and research in a government or private agency, and for which he will receive a stipend. Projects are normally designed to require the full eleven week quarter for completion, during which time the student will be under joint supervision by the sponsoring agency and his faculty advisor. All credit arrangements must be made through the student's major advisor.

403. Individual Study and Independent Research.

This course provides an opportunity for students to do supervised, individual reading or to engage in research in the field, classroom, or library in selected areas of the social sciences under the supervision of a member of the division. Open only to qualified juniors and seniors. *3 to 5 credit hours*. Students must register for course.

423. Criminology I.

The sociological approach to crime. An investigation of the causes, nature, and extent of crime and the policies used in dealing with crime and the criminal. Prerequisite: SOC 350. *Winter*.

454. History of Social Thought. (5-0-5)

A consideration of the development of sociological theories from classical to modern times, with special emphasis on recent and contemporary theories in Europe and America. Prerequisite: SOC 350. *Winter*.

455. Contemporary Social Thought. (5-0-5)

Examines the various schools, perspectives, and theories involved in modern sociology. The study will include the historical antecedents of contemporary schools of thought in philosophy and sociology. Strengths and weaknesses of all significant theories will be analyzed.

460. Seminar on the Black Experience. (5-0-5)

Study of historic and current trends in selected sociological frames of reference of experiences encountered by black people in the United States, emphasizing social movement and social change, urban and institutional processes, social values and personality formation. *Winter*.

462. Blacks in the Third World. (5-0-5)

Study of social, political, and economic problems and processes in which black people are involved in "the third world" with attention focused on Africa, South America, and the United States. *Spring*.

CRIMINAL JUSTICE (CRJ)

200. Introduction to Criminal Justice. (5-0-5)

This course deals with the philosophical background to criminal justice, a brief history of criminal justice, the constitutional limitations of criminal justice, the agencies involved in criminal justice, the processes of criminal justice, and evaluating criminal justice today. *Fall, Winter.*

201. Law Enforcement I. (5-0-5)

This course involves the detailed study of basic police operations, the policeman's role in law enforcement. Special topics include the police career, criminology for policemen, preserving order and keeping the peace, arrest procedures, search and seizure, traffic control, mob control, picketing and riots. *Fall, Spring.*

300. Judicial Process. (5-0-5)

This course examines the court's and law enforcement's role in the criminal justice process. Special topics discussed include courts as political subsystems in comparative perspective, judicial decision making and the development of public policy through judicial process. Prerequisite: CRJ 200, 201. *Fall, Spring.*

301. Juvenile Delinquency. (5-0-5)

This course studies both the legal and social character of juvenile delinquency. Special topics include the policeman's role in the delinquency problem, juvenile deviants and social definitions and behavior, the family and delinquency, middleclass delinquency, interacting factors in delinquency, gangs, crime, courts, and the Gault decision. Prerequisite: CRJ 200. *Fall, Winter.*

303. Constitutional Law. (5-0-5)

This course will examine in detail those articles and constitutional amendments which deal exclusively and specifically with police powers and implied law enforcement operational activities. Prerequisite: CRJ 200. *Fall, Winter.*

330. Basic Criminal Procedure. (5-0-5)

An examination of the role of the courts and law enforcement agency in the criminal justice process. Special topics include arrest, search and seizure, wire tapping, electronic eavesdropping, the use of secret agents, entrapment, police interrogations and confessions, the exclusionary rules, police lineups and other pretrial identification procedures. Prerequisite: CRJ 200. *Fall, Spring.*

332. Police Community Relations. (5-0-5)

The role of law enforcement agencies in the community with special reference to ethnic, social, and financial problems as well as solutions to basic conflicts in minority police relationships. Prerequisite: CRJ 200. *Fall, Spring.*

375. Communications Law. (5-0-5)

Study of the laws affecting American media, including the concept of freedom of speech and press, federal regulatory agencies, libel, slander, copyright and invasion of privacy.

395-396-397. Internship. (0-0-5)

Work and study experience in one of the specialized career fields of criminal justice. Prerequisite: Junior or Senior standing and consent of instructor. *Winter, Spring.*

400. Individual Study and Independent Research. (Varies)

This course provides an opportunity for students to do supervised, individual reading or to engage in research in the field, classroom, or library in selected areas of the social sciences under the supervision of a member of the division. Open only to qualified juniors and seniors. Student must obtain instructor's prior approval.

401. Criminal Law I. (5-0-5)

Studies the nature, sources and types of criminal law. The classification and analysis of crimes in general and the examination of specific offenses. Special topics include: homicide, murder, rape, larceny, robbery, and arson. Prerequisite: CRJ 200. *Fall, Spring.*

403. Corrections, Probation, and Parole. (5-0-5)

This course studies and overviews the principles, institutions and practices of corrections, probation and parole systems. Special topics include: analysis and evaluation of historical and contemporary correctional systems, the development, organization and results of different systems. Prerequisite: CRJ 200. *Winter.*

405. Seminar in Criminal Justice. (5-0-5)

This course analyzes the legal policy and operational procedures to be followed in investigating and resolving various specialized situations of crime and criminal behavior. Modern police practices, community-police relationships, law enforcement facilities, training, recruiting and utilization of men and equipment are discussed. Special topics include the use of police dogs and helicopters. Current and future problems faced in all phases of the law enforcement field form the basis for much of the assigned seminar discussion topics. Open to Senior Criminal Justice students only. *Spring.*

407. Evidence in Law Enforcement. (5-0-5)

This course deals with the rules of evidence and their value in police and law enforcement operations. Special topics include classification of evidence, recognition of evidence, utilization of evidence, investigative leads and courtroom presentations, the hearsay rule and its exceptions, best evidence rule, impeachment and cross examination, governmental privileges and scientific and demonstrative evidence. Prerequisite: CRJ 200. *Winter.*

408. Law and Society. (5-0-5)

This course will develop the historical and philosophical development of law and its relationship to society. Such issues as personal privacy, civil disobedience and regulation of moral behavior will be discussed. Prerequisite: CRJ 200. *Spring.*

410. Civil Liberties. (5-0-5)

Examination of civil rights in the light of possible violation of both criminal and civil statutes. Federal and state cases in the civil rights field will be studied. Strong emphasis will be placed on a clear understanding of current judicial interpretation in this field. Prerequisite: CRJ 200. *Fall*.

413. Criminal Investigation. (4-0-4)

A study of the role of the criminal investigator and investigative methodology. Special topics include investigative techniques, crime scene searches, use of investigative resources and informants. Prerequisite: CRJ 200, 401. *Winter*.

460. Seminar on the Black Experience. (5-0-5)

An interdisciplinary seminar designed to increase students awareness of the concerns, roles, and contributions of Afro-Americans in the Social Sciences, especially in the field of criminal justice.

POLITICAL SCIENCE (PSC)

200. Government. (5-0-5)

Provides a general understanding of the concepts, functions, and operations of government (international, national, state and local), and basis for development of desirable attitudes, critical thinking, and intelligent participation in political affairs. *Fall, Winter, Spring*.

201. National Security Policy. (5-0-5)

Deals with the formulation and implementation of American security policy. American military history is analyzed briefly to determine the factors bearing on the development of the defense structure of the United States. The method of formulation of national security policy is studied, as is the role of each governmental component concerned with security affairs. The elements of national power are reviewed.

303. International Politics. (5-0-5)

It is a survey study of the basic factors which motivate international relations, including power politics, ideology, and nationalism. It is concerned with: the causes of war, the international organization, world government, and diplomacy. Special emphasis is placed on case studies, independent study, reading, research, and writing. Prerequisite: PSC 200 or consent of instructor.

304. Comparative Government and Politics. (5-0-5)

This course stresses the institutional, political, and cultural differences and similarities between various countries and blocs of countries. Special emphasis is placed on various case studies in Western Europe, the Soviet Bloc, and the developing areas of Latin America, Africa, and Asia. Independent study, readings, research, and writing are stressed. Prerequisite: PSC 303 or special permission. *Fall*.

310. State Government. (5-0-5)

A survey of the nature, organization, and problems of the state and local government and administration in the United States. *Fall*.

311. American Constitutional Law. (5-0-5)

The evolution of American Courts; the development and application of American Constitutional Law, as interpreted in the leading decisions of the Supreme Court. Included are citizenship, the war powers, taxation, the commerce power, the impairment of contracts, due process of law, the civil liberties of individuals and groups, and the equal protection of the law. Recent trends in constitutional doctrine. Prerequisite: PSC 200. *Fall*.

330. The Politics of the Cinema. (3-0-3)

This course will survey the treatment of politics and the political process through films.

350. Public Policy. (5-0-5)

This is a survey course which deals with the ways in which public policy is formulated, adopted, implemented and adjudicated as well as the various techniques that have been developed to study it.

390. Black Politics. (5-0-5)

This course is designed primarily to deal with the Black man in the American political arena. It deals with Blacks as actors in the political system rather than being acted upon. Such topics as Black Political Parties, Black Pressure Groups, the Black Electorate, Black Public Officials, and Public Policy will be discussed. *Spring*.

391. African Government and Politics. (5-0-5)

The purpose of this course is to discuss the government of Black African states — Africa south of the Sahara. It will deal with the effects of colonialism, neocolonialism, and nationalism upon contemporary political institutions in each African state.

392. Urban Government. (5-0-5)

Metropolitanism, the control of central city, the rise of Black mayors, the problems of air, water, and population will all be discussed in connection with the continual urbanization of a society. *Spring*.

395-396-397. Internship. (Varies)

The student will pursue an individually designed course-project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full quarter for completion, during which time the student will be under joint supervision by the sponsoring agency and his faculty advisor. Credit must be arranged by faculty advisor and department chairman.

401. Individual Study and Independent Research.

This course provides an opportunity for students to do supervised, individual reading or to engage in research in the field, classroom, or library in selected areas of the social sciences under the supervision of a member of the division. Open only to qualified juniors and seniors. *3-5 credit hours*. Students must register for course.

403. Political Theory. (5-0-5)

This course describes and analyzes significant theories and ideas underlying past and contemporary political systems. Leading topics of study and discussion are the influence upon political theory of Greek thought, the Roman doctrine of natural law, the church and state in the middle Ages, Machiavelli and the rise of the modern state. Prerequisites: HIS 101, 102 or special permission. *Fall*.

404. Political Theory. (5-0-5)

A continuation of PSC 403. It emphasizes also the nature of liberalism, individualism, conservatism, state welfarism, fascism, national socialism, and communism. Abstract and philosophical thinking on the part of the student is stressed. Prerequisite: PSC 403. *Winter*.

405. The American Political Process. (4-0-4)

This is an inquiry into the functioning of the American political system, and the theories behind it. Stress is placed on federalism, political parties, and pressure groups and their relationship to the federal structure, and the causes of political behavior in American life. Independent study, readings, research, and writing are stressed. Prerequisite: PSC 200 or special permission. *Winter*.

409. American Political Thought. (5-0-5)

The purpose of this course is to discuss the nature, scope, and significance of American political ideas and thinkers. It will begin with the ideas of the revolutionary leaders and move to the political thoughts of the radical right, new left, and the Black Revolution.

410. Public Administration. (5-0-5)

Students in this course will be acquainted with the nature, principles and scope of public administration. The political and constitutionality of political and managerial roles of the chief executives and their staff will also be brought to light.

418. Government and Politics of Southeast Asia. (5-0-5)

This course will focus upon the governments of Southeast Asia and analyze the impact that colonialism, nationalism and communism have had upon them. The present foreign policy of each country will be discussed as well as its relationship to the SEATO organization.

419. Jurisprudence. (5-0-5)

This course will focus primarily upon the philosophy of the law and it will cover each school of jurisprudence (from historical to sociological jurisprudence) and relate these to a large context of man and his civil liberties.

450. Political Parties. (5-0-5)

The focus of this course is upon the evolution, nature, and role of American political parties. The course will deal with each of the major party systems as well as with theories about party organizations. *Fall*.

498. American Foreign Policy. (5-0-5)

This course will focus upon the origin, nature, and consequences of American foreign policies. Moreover, the role and impact of the Presidency, public opinion, Congress, and outcome will also be included. *Fall*.

499. Research in Political Science. (5-0-5)

This course is to acquaint the student with the nature of inquiry as well as the dimensions and approaches to Political Science. The historical, analytical, comparative, descriptive, legalistic, behavioral and mathematical application to man's political behavior will be discussed. *Fall*.

SOCIAL WORK**SWK 250. Introduction to Social Welfare. (5-0-5)**

This introductory course covers the historical development of social welfare measures and programs. Basic social welfare concepts and terminology are introduced. The broad range of social welfare efforts to resolve social problems is reviewed. A framework for analysis and assessment of social problems is presented and a special effort is made to help students develop beginning skills in the analysis of social welfare policies and programs.

SWK 300. Introduction to Social Work Practice. (4-2-5)

This is an introduction to the professional practice of social work. The student examines the goals, guiding philosophy, and basic assumptions of the profession. The generalist problem-solving practice model is introduced. A survey of practice settings is made and attention is given to the development of beginning practice-focused analytical skills. Prerequisite: SWK 250.

SOC/SWK 320. Ethnic Minorities. (5-0-5)

The course examines the problems faced by minorities in America, especially where skin color and language pose social and economic barriers. It looks at dominant public attitudes and patterns of response by minorities such as Black Americans, Chicanos, Puerto Ricans, Native Americans and other sizable ethnic groups. Prerequisite: SWK 250.

SWK 330. Human Growth and Social Environment. (5-0-5)

A course designed to examine the reciprocal relationship between man and his environment and the effects of this relationship on one's physical, emotional, and social development. Emphasis will be placed on facilitating human adaption to internal and external stress throughout the life cycle. Prerequisites: SOC 201 and PSY 201 and SWK 250.

SWK 333. Interventive Methods I. (4-2-5)

A course designed to develop and sharpen interpersonal skills. The student learns to use conversation, observation and analytical helping skills in a variety of roles played by the generalist social worker. The course presents the student with a wide variety of interview situations in which he must demonstrate a high degree of competence. Prerequisite: SWK 309.

SWK 334. Interventive Methods II. (4-2-5)

This course teaches an approach to human problem solving utilizing a systems approach with emphasis on patterns of coping, family relationship, behavioral study, diagnosis, treatment or plan of action! Competency in crisis intervention and selection of proper treatment modality must be demonstrated. Prerequisite: 333.

335. Interventive Methods III. (4-2-5)

A sequel to SWK 334 with the main thrust on neighborhood and community need. It is predicated on the concept that where ever there is widespead human need or suffering there is a breakdown of some aspect of the social system. Using multiple roles of the generalist, particularly data gatherer, analyst, consultant, mobilizer, and advocate, the students are taught to analyze system dysfunction and its impact on people. Prerequisite: SWK 334.

406. Child Welfare. (4-2-5)

This course reviews child development and social behavior with an emphasis on the practical application of understanding the psychosocial, mental, and physical development of children. The environmental and family situation is studied and related to the child's development or lack thereof.

410. SWK/GRN: Aging and Services to the Elderly. (4-2-5)

A course designed for students going into public or private agencies serving the elderly. Emphasis will be placed on the social, economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects will be studied where practicable. Prerequisites: SWK 330, 333 or permission of social work program coordinator.

430. SWK/SOC: Alcohol and Drug Studies. (5-0-5)

A course focusing on the various forms of alcohol and drug use with emphasis on the stages of harmful dependence and addiction. There will be an examination of the legal and social implications of addiction, as well as approaches to treatment and rehabilitation. Prerequisites: SWK 333-335 for SWK majors. Others by permission of instructor.

440. Social Policy and Administration. (5-0-5)

This study of the development and administration of social welfare policies and services which society establishes to provide for the needs and general well-being of the population. An analytical and critical assessment of the social welfare system is made to facilitate an understanding of the relationship between societal values, political and economic influences, and the formulation and implementation of social welfare policies and programs.

451. Field Experience I. (0-20-5)

Each student will work in a social service setting a minimum of 20 clock hours per week. It is designed for optimal learning experience with clients, agencies and the community. It is to increase student knowledge and ability under professional supervision. There will be a weekly meeting with the Field Coordinator. Restricted to social work majors. *Winter*.

452. Field Experience II. (0-20-5)

This is an advanced field experience wherein greater proficiency and additional skills are expected from the student. The student must demonstrate competency in a variety of roles played by the generalist social worker. Students will take S.W.K. 475 concurrently. Prerequisite: SWK 451. *Spring*.

475. Senior Seminar. (5-0-5)

This is a required course taken concurrently with SWK 452. It is designed to integrate classroom learning, basic theory, professional journal reports and life experience with the student's experience in the field. Prerequisite: SWK 451. *Spring.*

ANTHROPOLOGY (ANT)**201. Cultural Anthropology. (5-0-5)**

Anthropological theories and their application to principles and techniques used in the comparative study of culture, including a survey of human development, and contemporary aboriginal culture.

PSYCHOLOGY (PSY)**201. General Psychology. (5-0-5)**

An introduction to the science which studies the behavior and experiences of living organisms and specifically, human behavior and experiences. *Fall, Winter, Spring.*

301. Advanced General Psychology. (4-0-4)

Consideration of the principles significant in understanding and explaining human experiences and behavior with special emphasis placed on motivation and emotion, personality and individuality, social psychology, psychotherapy and other treatment methods, and an introduction to scientific methodology and its application to behavior analysis. Prerequisite: PSY 201. *Fall, Summer.*

302. History of Psychology. (5-0-5)

A description of the work of those psychologists who have made the most significant contributions to the development of the science, with emphasis on the various systems of psychology, research, and experimentation. Prerequisite: PSY 201. *Winter.*

303. Social Psychology. (5-0-5)

A study of the individual and his social context, beginning with the study of the social behavior of animals and including human functioning in small groups, in societies, and in cross-cultural perspectives. Attitudes, motives, and social perception will be emphasized. Prerequisite: PSY 301. *Winter, Spring.*

310. Tests and Measurements. (5-0-5)

A beginning course in measurement which covers statistical methods, research designs and research problems. Students are provided experiences in the administration and evaluation of psychological tests. Prerequisite: PSY 201.

401. Theories of Personality. (5-0-5)

An exploration of the theoretical basis of personality with emphasis on structure, dynamics, personality development, normal and deviant behavior, attitudes, beliefs, and opinions. Prerequisites: PSY 302. *Winter, Spring.*

402. Mental Health. (5-0-5)

Analysis of the concept of the healthy personality and mental functioning as responding constructively to stress rather than merely adapting or adjusting to stress. *Fall, Summer.*

403. Psychology of Black Experience. (5-0-5)

An overview of contemporary topics in the area of Black psychology, including self-concept, achievement and motivation, Black family, and others. Prerequisites: PSY 301, PSY 303. *Spring*.

404. Experimental Psychology. (5-0-5)

Study and analysis of the most basic classical and modern experiments in psychology and the principles of experimental psychology illustrated therein; laboratory experience in conducting and reporting basic types of psychological experiments.

415. Humanistic Psychology. (5-0-5)

The individual and his relationships are the focal points of study. Individual perception, personality, motivation and self-esteem become the bases for individual self-actualization in relationships with other individuals, organizations and society.

426. Abnormal Psychology. (5-0-5)

This course will systematically explore the body of theory and data relevant to the understanding of maladaptive human process. The varieties of abnormal experiences and behavior will be discussed and an overview of current approaches to the resolution of the psychopathology will be offered.

INTERNATIONAL STUDIES (INS)

205. Approaches to International Studies. (4-0-4)

An introductory course that discusses national decision-making, state problems, foreign policy interaction, alternative security positions, and an analysis of contemporary international relations.

INS 307/PSC 423. International Law. (5-0-5)

An introduction to public international law. The substantive coverage of the course includes peaceful settlement of disputes, international agreements in international and domestic law, and evolving law of the sea, human rights, and international attempts at controlling the use of armed force.

INS/ECO 345. Economic Development. (5-0-5)

An introduction to the economic and social problems confronting developing nations in Africa, Asia, and Latin America. Variables which affect the growth processes are isolated and analyzed. Considerable attention is focused upon the interaction of economic, political, administrative, and social phenomena and their impact on overall development within the nations studied. Limited use of growth models is employed as an alternative method of analysis.

INS/ECO 405. International Economics. (5-0-5)

An introduction to the modern theory of international trade, payments mechanism, commercial policy, and economic integration.

GERONTOLOGY (GRN)

201. Introduction to Gerontology (4-0-4)

General introduction to gerontology with emphasis on the normal aspects of aging. Review of current studies on the roles, activities, and status in the later years, including income status and needs — as worker, retiree, user of leisure, family member.

301. Biological and Physiological Aspects of Aging. (2-0-2)

The general biology of aging; physiological changes with age; theories of biological and physiological aging; factors affecting longevity, genetic aspects of aging.

302. Psychological and Personality Developments and Aging. (2-0-2)

Developmental aspects of the aging process from a psychological perspective; time associated changes in behavior and sensory perception; personality development and change in middle and later age; mental illness and psychopathology associated with aging.

320. Black Aging. (2-0-2)

Historical, demographical, and socio-economic profile of Black aged. An analysis of major problems encountered by Black elderly persons with a review of issues such as income, health, housing, and transportation. The unique aspects of Black religion, family ties, language habits, coping behaviors, and population distribution will be emphasized.

401. Consumer Economics and Law for the Aging. (1-0-2)

An examination of age related consumer and legal concerns. This will be a practical course including exploration of such topics as wills, and other legal matters, generic drugs, health care costs, food and nutrition, budget management, fraud and consumer protection laws.

410. GRN/SWK: Aging and Services to the Elderly. (4-2-5)

A course designed for students planning to work in public or private agencies serving the elderly. Emphasis will be placed on the social, economic, and health needs of the elderly with attention to delivery systems that work. New knowledge, research, and actual projects will be studied where practicable.

420. Death and Dying. (2-0-2)

A study of the literature expressing historical, social, and cross-cultural attitudes towards death and dying. Designed to help students understand death in its social context.

430. Physical Fitness and Recreation for the Elderly. (0-2-1)

This course will focus on the physiological, psychological, and sociological values of physical exercise and recreation for the older adult. Students will have an opportunity to develop physical fitness and recreational programs for healthy, community living adults and the less vigorous or institutionalized adult.

451. Field Experience. (0-20-5)

The student will be assigned to work under professional supervision in a facility for older people, such as a home for the aged, senior citizens activity center, or housing development.

475. Seminar in Gerontology. (2-0-2)

To be taken concurrently with GER 451. Students assigned to Field Experience will use this seminar to integrate classroom learning, and exercises.

URBAN STUDIES (URB)**301. Urban Planning and Development. (5-0-5)**

Instruction to theories and definition of urbanism and planning. Relationships between urban development, planning and questions of resource distribution are examined in their social, ethnic, spatial, and political contexts.

HIS 325. Urban History. (5-0-5)

A study of the development and transformation of cities and urban populations. Ancient, early modern and modern cities will be included.

395-396-397. Internship. (2-20-5)

The student will pursue an individually designed course-project involving off-campus study and research in a government or private agency. Projects are normally designed to require the full quarter for completion, during which the student will be under the joint supervision of the sponsoring agency and a faculty advisor. Credit will be arranged by the faculty advisor and the department chairperson.

490. Senior Seminar. (5-0-5)

Designed to be taken during the senior year to help integrate classroom learning, basic theory, readings, and life experience with internship experiences.

PHYSICAL EDUCATION REQUIREMENTS

Geraldine Abernathy
Hattie B. Cochran
Frank Ellis
Albert E. Frazier

John Myles
Kenneth Taylor
Saralyn Truedell
Richard Washington

During the freshman and sophomore years all students (except veterans and those over 25 years of age) are required to complete six credit hours of physical education and/or health. The satisfactory completion of this work is a prerequisite for graduation. Students with handicapping conditions are encouraged to consult with the coordinator of the area for the development of an individualized program based on their needs.

Students taking physical education classes must wear the regulation Savannah State College physical education uniform, unless permission is granted by the class instructor.

PHYSICAL EDUCATION REQUIRED COURSES (PED)**101. Recreational Bridge I. (1-2-2)***All Quarters.***102. Recreational Bridge II. (1-2-2)***All Quarters.***110. Concepts in Physical Education. (1-2-2)***All Quarters.***114. Beginner's Tennis. (0-2-1)***All Quarters.***115. Advanced Beginner's Tennis. (0-2-1)***Winter and Spring.***116. Intermediate Tennis. (0-2-1)***Spring.***117. Beginner's Archery. (0-2-1)***All Quarters.***118. Advanced Archery. (0-2-1)***Winter and Spring.***119. Beginner's Golf. (0-2-1)***Spring.***120. Advanced Beginner's Golf. (0-2-1)***Spring.***121. Touch Football. (0-2-1)***Fall.***122. Volleyball. (0-2-1)***All Quarters.***123. Softball. (0-2-1)***Spring.***124. Weight Training. (0-2-1)***Fall.***125. Weight Training. (0-2-1)***Winter.***126. Weight Training. (0-2-1)***Spring.*

127. Beginner's Badminton. (0-2-1)*All Quarters.***128. Intermediate Badminton. (0-2-1)***Winter and Spring.***130. Body Mechanics. (0-2-1)***All Quarters.***131. Body Mechanics. (0-2-1)***All Quarters.***132. Basketball. (0-2-1)***Winter.***134. Physical Conditioning. (0-3-2)***Fall.***135. Physical Conditioning. (0-3-2)***Winter.***136. Physical Conditioning. (0-3-2)***Spring.***137. Recreational Activities. (0-2-1)***All Quarters.***138. Table Tennis. (0-2-1)***All Quarters.***139. Beginner's Tumbling. (0-2-1)***All Quarters.***140. Intermediate Tumbling. (0-2-1)***Winter and Spring.***142. Folk and Square Dance. (0-2-1)***All Quarters.***143. Social and Ballroom Dance. (0-2-1)***All Quarters.***144. Beginner's Gymnastics. (0-2-1)***All Quarters.***145. Intermediate Gymnastics. (0-2-1)***Winter and Spring.***146. Beginner's Trampoline. (0-2-1)***All Quarters.*

147. Intermediate Trampoline. (0-2-1)

Spring.

148. Self Defense I. (0-2-1)

Winter and Spring.

149. Self Defense II. (0-2-1)

Spring.

150. Soccer. (0-2-1)

Fall.

151. Speedball. (0-2-1)

Fall.

154. Modern Dance Techniques. (0-2-1)

All Quarters.

155. Modern Dance Performance. (0-2-1)

Winter and Spring.

156. Modern Dance Creation and Interpretation. (0-2-1)

Spring.

159. Aerobic Dancing. (0-2-1)

All Quarters.

164. Beginner's Swimming. (0-2-1)

All Quarters.

165. Advanced Beginner's Swimming. (0-2-1)

All Quarters.

166. Intermediate Swimming. (0-2-1)

All Quarters.

ELECTIVE COURSES

PHYSICAL EDUCATION (PED)

207. Introduction to Community Recreation. (3-0-3)

Organization and administration of national, state, and local programs. *Fall and Spring.*

224. Principles of Officiating. (3-0-3)

Theory and Philosophy of officiating. *All Quarters.*

225. Officiating Volleyball, Tennis, and Badminton. (3-0-3)

Prerequisite: PED 224. *Winter Quarter.*

226. Officiating Football. (3-0-3)

Prerequisite: PED 224. *Fall and Spring.*

227. Officiating Basketball. (3-0-3)

Prerequisite: PED 224. *Fall and Winter.*

228. Officiating Baseball. (3-0-3)

Prerequisite: PED 224. *Winter and Spring.*

255. Physical Fitness Programming. (2-2-3)

This course deals with all phases of the physical fitness program, including developing programs, administering physical fitness tests, conducting the program, and evaluating the program. *All Quarters.*

265. Methods in Swimming. (0-3-2)

Methods of instructing individuals, small and large groups in swimming techniques. Prerequisite: PED 166 or pass swimming Proficiency test. *All Quarters.*

HEALTH (HED)

200. First Aid and Safety. (3-0-3)

All Quarters.

201. Safety Education. (2-0-2)

All Quarters.

236. Personal Health. (5-0-5)

All Quarters.

105. Concepts in Health. (2-0-2)

All Quarters.



SCHOOL OF SCIENCES AND TECHNOLOGY

Margaret C. Robinson, *Dean*

The School of Sciences and Technology comprises undergraduate programs in Biology, Chemistry; Mathematics, Physics, and Computer Science; Engineering Technology, Home Economics, and Naval Science. It offers Bachelor of Science degree programs with majors in Biology, Environmental Studies, Marine Biology, Medical Technology, Chemistry, Mathematics, Physics, Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology, Dietetics and Institutional Management, Textiles and Clothing.

The Associate degree programs include majors in Civil Technology, Computer Technology, Electronics Technology, Mechanical Technology, Marine Science Technology and Chemical Engineering Technology. These programs are designed to train students to become technicians for work as paraprofessionals in industry or for assisting professional engineers.

The School of Sciences and Technology offers minors in Biology, Chemistry, Mathematics, physics, Computer Science, Air Traffic Control, Child Development, Disadvantaged and Handicapped Families, Naval Science (Marine or Navy Option).

The Biology Program provides access to broad preparation for employment at the level of support personnel, for graduate study in biology, for graduate study in related areas such as environmental sciences or the medical or dental professions.

The Chemistry Program is aimed at providing the fundamental knowledge required for participation in chemically oriented industries, for graduate study for chemistry, or in preparation for medical or dental studies.

The Mathematics Program covers the major areas of mathematics and physics and is designed so that the student can have the opportunity to prepare for a position immediately after graduation, or for continuing with graduate studies. The physics major provides the opportunity for the preparation of students interested in a professional career in physics or an immediately adjacent field or a strong base in physics for students seeking to pursue careers in, for example, medicine, business administration, oceanography, and also those seeking immediate employment in industry, military service, and computer technology.

The Engineering Technology Program prepares students for careers in the technical and engineering fields in the civil, mechanical, and electronics areas. Additionally, the Engineering Technology program prepares and trains persons who plan to teach trade and vocational subjects in secondary and area vocational schools.

The Home Economics Program prepares students for careers in public institutions of all kinds. The Home Economics Program also prepares students to go out and take on social roles to aid disadvantaged families, to improve the

quality of family life through improved nutrition, and understanding of the material needs of the family. Additionally, students are trained to enter the field of fashion design and management.

The Naval Science Program gives young men and women the choice of attending college in an academic discipline of their own choice while at the same time receiving military training that culminates with them being commissioned as military officers in the Navy or Marine Corps upon completion of the baccalaureate degree.

DEPARTMENT OF BIOLOGY AND LIFE SCIENCE

FRISSELL R. HUNTER, *Acting Head*

C. Obi Emeh
Matthew Gilligan
Hetty B. Jones
P. V. Krishnamurti

Govindan K. Nambiar
Joseph P. Richardson
Harpal Singh
Raymond H. Walke
Bernard L. Woodhouse

The aims of the Department of Biology are: (1) to provide for all students that knowledge which is essential to an understanding of the biological basis of living; (2) to provide professional training for persons interested in pursuing health careers such as medicine, veterinary medicine, dentistry, pharmacy, and paramedical careers such as medical technology, nursing, physical therapy, medical illustration, medical social work, and medical transcription; (3) to provide preprofessional study for persons interested in careers such as industrial and biological research, public health, college-level teaching, medical school teaching, secondary school teaching, marine biology, and environmental studies.

To realize these aims, the Department of Biology offers courses leading to the degree of Bachelor of Science with majors in Biology, (Premedicine or Preprofessional), Environmental Studies, Marine Biology, Medical Technology, and the Associate of Science degree in Marine Science Technology.

Plan of Study

Biology 123-124 is designed for non-science majors as a part of the general curriculum. The Biology Major: Biology 128, 200, 201, 202, 203 comprise the basic Modern Biology Core requirements for all students majoring in Biology, and who desire training preparatory to either medical and paramedical careers or graduate study. Subsequent to the sequential completion of the Biology Core, students are required, in counsel with academic advisors, to select an option of biology electives according to their interest and desired area of concentration. The Biology Electives Option becomes a part of the student's formal record as requirements for graduation filed in the Department.

Students interested in paramedical (Health) careers satisfy the two-year basic Modern Biology Core sequence and science cognates according to specific requirements of selected specialized training schools. Students are required to plan health careers curriculums with an assigned advisor.

For the major at least thirty-five quarter hours of junior and senior level courses are required. For the minor, twenty-five quarter hours of junior and senior level courses are required.

COMPREHENSIVE EXAMINATION

Biology majors are required to take the Graduate Record Examination (Area and Aptitude tests) as the Departmental Major Comprehensive Examination.

BIOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

College Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-108	10 hours
Chemistry 101-104	10 hours

Area III — Social Sciences: 20 hours required

Social Science 201	5 hours
Political Science 200	5 hours
History 102-200	10 hours

Area IV — Courses Appropriate to Major: 30 hours required

Physics 201-202-203	15 hours
Biology 128-200-201-202-203	15 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 105 quarter hours

Major Requirements: 58 hours as specified

Biology 301-303-304-306-401-402-430-431	33 hours
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Major Options: 20 hours

Zoology 215-216-318-326-332-411
 Botany 302-308-328-332-406
 Molecular Biology 332-407-424-425-426
 Ecology 215-309-313-328-332-400
 Microbiology 326-332-407-411-425-426-427
 Pre-Medicine 307-318-326-332-407-411

Specific Electives:

Chemistry 303-307-308-331-404	25 hours
Mathematics 212-213	10 hours
Modern Foreign Language	15 hours
HMN 233 or 234	5 hours

Biology Minor Requirements: 29 hours

Biology 301-303-304-306-307-309-328-332-401-402

MEDICAL TECHNOLOGY CURRICULUM
(Biology Option)

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required		
English 107-108-109	15 hours	
Humanities 232	5 hours	
Area II — Mathematics and Natural Sciences: 20 hours required		
Mathematics 107-108	10 hours	
Chemistry 101-104	10 hours	
Area III — Social Science: 20 hours required		
History 102-200	10 hours	
Political Science 200	5 hours	
Social Science 201	5 hours	
Area IV — Courses Appropriate to Major: 30 hours required		
Physics 201-202	10 hours	
Biology 128-200-201-202-203	15 hours	
Mathematics 217	5 hours	
Additional Requirements:		
Physical Education	6 hours	
General Education 100	2 hours	

SENIOR COLLEGE CURRICULUM:

Major Requirements: 48 quarter hours plus 52 weeks of hospital clinical laboratory training.

Biology 300-303-304-306-307-407	28 hours
Chemistry 303-307-308-404	20 hours

Clinical Laboratory Training

Fifty-two weeks of study and clinical experience in an accredited hospital laboratory are required. After completing all requirements, the degree candidate can qualify for the examination given by the Registry of Medical Technologists.

MARINE BIOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-108	10 hours
Chemistry 101-104	10 hours

Area III — Social Sciences: 20 hours required

Social Science 201	5 hours
Political Science 200	5 hours
History 102-200	10 hours

Area IV — Courses Appropriate to Major: 30 hours required

Physics 201-202-203	15 hours
Biology 128-200-201-202	12 hours
Marine Biology 215	3 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 105 quarter hours

Major Requirements: 63 hours as specified

Marine Biology 215-280-382-481-484-485	30 hours
Biology 301-303-306-400-401-430-431	28 hours
Humanities 233 or 234	5 hours

Specific Electives:

Chemistry 303-307-308-332-404	25 hours
Mathematics 212	5 hours
Marine Biology 209-332	5 hours
Geology 300	5 hours

ENVIRONMENTAL STUDIES CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-108	10 hours
Chemistry 101-104	10 hours

Area III — Social Sciences: 20 hours required	
Social Science 201	5 hours
Political Science 200	5 hours
History 102-200	10 hours
Area IV — Courses Appropriate to Major: 30 hours required	
Physics 201-202	10 hours
Biology 128-203-215-216	12 hours
Environmental Science 201	3 hours
Foreign Language	5 hours
Additional Requirements:	
Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 105 quarter hours

Major Requirements as Specified:	
Biology 301-303	10 hours
Physical Geography 204	5 hours
Geology 300	5 hours
Environmental Studies 301-302-304-305-308-309- 365 or 400-403-405-410	32 hours
Environmental Studies 306 or Biology 400	5 hours

Specific Electives: 48 quarter hours

Chemistry 303-304-307	15 hours
Mathematics 212-250	10 hours
Economics 203	5 hours
Foreign Languages	10 hours
Environmental Management 363	3 hours

MARINE SCIENCE TECHNOLOGY PROGRAM
A.S. Degree: 101 quarter hours required

First Year: 52 hours required	
English 107-108-109	15 hours
Mathematics 107-108	10 hours
Chemistry 101-104	10 hours
Biology 128-201-203	9 hours
History 102	5 hours
General Education 100	2 hours
Physical Education	1 hour
Second Year: 49 hours required	
Physical Science 203	5 hours
Physical Geography 204	5 hours
Chemistry 115	1 hour
Marine Biology 209-280	7 hours
Marine Technology 291-292-293-294	20 hours
Marine Biology 332	3 hours
History 200	5 hours
Physical Education	3 hours

DESCRIPTION OF COURSES

Biology (BIO)

120. Freshman Biology Seminar. (2-0-2)

Topics in the Biological Sciences, emphasizing the integration of Physical and Chemical phenomena with biology. Discussions will include quantitative aspects such as units of measurement, interpretation of experimental results, handling of graphical data, and the role of chemical reactions in the control of plant and animal growth and development. *Fall, Winter, Spring.*

123-124. General Biology. (3-4-5)

An introductory course for non-science majors which deals with the fundamental principles of plant and animal life. BIO 123 is prerequisite to BIO 124. *Fall, Winter, Spring.*

128. Principles of Biology. (2-4-3)

Presentation of Biology in broad perspective; to include such topics as origin of life, reproduction, heredity, and interrelationship of living things to their environment. Prerequisites: CHE 101, 104. *Spring.*

200. Molecular and Cellular Biology. (2-4-3)

Introduction to cell composition and fine structure, biosynthesis of macromolecules, enzymes structure and function, respiration, photosynthesis, transport, and the molecular basis of heredity. Prerequisite: BIO 128. *Fall.*

201. Organismal Biology. (2-4-3)

Relates Molecular and Cellular biology to the organismal concept, emphasizing structural and functional aspects of whole organisms (vertebrate animals and vascular plants), their development, life histories, behavior, diversity and evolution. Prerequisite: BIO 200. *Winter.*

202. Biological Organization and Control. (2-4-3)

Concepts of Mendelian genetics, morphology, growth and development, reproduction, tissue and organ structure, neural and endocrine control mechanisms, feedback and cybernetics are discussed. Prerequisite: BIO 201. *Spring.*

203. Introduction to Ecology. (2-4-3)

An introductory study of concepts and principles underlying the interrelationship of plants and animals to the environment. Laboratory experiences to involve field studies coordinated with laboratory and field methods of ecological analysis. Prerequisite: BIO 202. *Spring.*

204. Environmental and Evolutionary Issues. (2-0-2)

Major issues facing mankind from a biological perspective such as overpopulation, food supply, pollution, nuclear energy utilization, genetic basis of race, medical and hereditary issues, etc. *Fall, Winter, Spring.*

205. Selected Topics in Modern Biology. (2-0-2)

Current topics and problems which confront or support the future wellbeing of the human population such as the Sickle Cell Anemia problem, organ transplantation, cryosurgery, utilization of synthetic food products, aquaculture, conception and contraception, aging, etc. *Fall, Winter, Spring.*

206. Introduction to Life Chemistry. (3-0-3)

Interdisciplinary approach to study of compounds found in living organisms, their biochemical reactions and their significance of living processes. Fundamental concepts emphasizing the contributions of biochemistry and biochemical processes to an understanding of modern biology. Prerequisites: CHE 101, 104. *Fall, Spring.*

207. Biology of Aging: Understanding the Golden Years of Life. (2-0-2)

A study of the human body, physiological and emotional changes during the aging process, and some practical methods of adjusting to these changes. *Fall, Winter, Spring.*

215. Invertebrate Zoology. (3-4-5)

A study of major phyla and classes of invertebrate animals, morphology, physiology, life histories and taxonomic relationships of selected representatives of the groups. Prerequisites: BIO 203, 206. *Fall.*

216. Vertebrate Zoology. (3-4-5)

An intensive survey of the morphology, taxonomy, physiology, behavior, and ecology of the chordates, with attention given to the basic principles and theories. The laboratory will consist of an introduction to comparative chordate anatomy. Prerequisites: BIO 203, ENS 201. *Winter.*

300. Basic Medical Lab Techniques. (1-4-3)

Introduces the student to basic lab procedures involved in urinalysis, hematology, blood banking, serology, parasitology and tissue examination. Principles and techniques involving colorimetry, spectrophotometry, electrophoresis and chromatography are to be emphasized. Prerequisite: BIO 202. *Spring.*

301. General Botany. (3-4-5)

An introduction to general principles of plant life with special emphasis given to cellular organization and control, inheritance, physiology, development, reproduction, and evolutionary relationships of flowering plants. Prerequisites: BIO 201, 203, 206; MBI 215. *Winter.*

302. Field Botany. (3-4-5)

A study of flowering plants common to this locale, including the identification, classification, and preservation of plant specimens. Prerequisite: BIO 301.

303. Principles of Genetics. (3-4-5)

Fundamental principles of Genetics: Variation, heredity, physical basis of mendelian inheritance, expression and interactions of genes, sex-linkage, linkage mutation and extra chromosomal inheritance basic concepts related to biochemical Genetics and population Genetics. Prerequisites: BIO 218, 200, 203 or 206. MBI 215. *Spring.*

304. Biological Histochemistry and Microtechnique. (3-4-5)

Theory and application of modern techniques and instrumentation to biological problems including histological preparation and preservation of biological materials. Prerequisites: BIO 303; CHE 308. *Fall.*

306. Microbiology. (3-4-5)

An introduction to fundamental concepts and techniques of microbiology; bacterial anatomy and physiology, principles of microbial growth, nutrition, and metabolism. Prerequisites: CHE 303; BIO 206; MBI 215. *Winter.*

307. Human Anatomy and Physiology. (3-4-5)

A detailed study of the location and functions of the organs in the human body. Prerequisites: CHE 303, BIO 203, 206. *Fall.*

308. Plant Morphology and Structure. (3-4-5)

A study of morphology of certain non-vascular and vascular plants stressing identification, life histories, ecology and evolutionary development. Prerequisite: BIO 302. *Fall.*

309. Ecology. (3-4-5)

The structure and function of ecosystems in regard to energy flow, nutrient cycling population growth and regulation, and community organization and dynamics. Man's impact on ecosystems and resulting social problems. Laboratory and field studies. Prerequisite: BIO 206. *Spring.*

313. Urban Health. (3-0-3)

Introduces the student to a variety of environmental and occupational health problems of an urbanized society. Topics covered include biological and health effects of environmental pollutants, disease vector, food and housing sanitation, occupational health hazards, social psychological stresses as well as environmental planning and management. Prerequisite: Junior Standing. *Winter, Summer.*

318. Vertebrate Structure and Function. (3-4-5)

(Amalgamation of Comparative Vertebrate Anatomy and Histology of Vertebrates). A comparative study of the organ systems of selected vertebrates with emphasis given to the gross anatomy of the catalog; histological organization and function of vertebrate organs. Prerequisites: BIO 203, 206. *Winter.*

324. Plant Anatomy. (3-4-5)

A general consideration of the anatomy of seed plants with special emphasis on the angiosperms. Prerequisite: BIO 308. *Winter.*

326. Vertebrate Embryology. (3-4-5)

A study of the embryological development of vertebrates including fertilization, cleavage and origin of organ systems. Prerequisite: BIO 304. *Spring.*

328. Field Ecology. (3-4-5)

An advanced field course emphasizing population ecology; methods of measuring plant and animal populations, demographic analysis and movements of organisms. Prerequisites: BIO 301, 315. *Spring.*

332. Principles of Biostatistics. (3-4-5)

An introduction to the reasoning and applications of statistics in planning experiments and in analysis and interpretation of biological data. Special emphasis given to population statistics, samples and variates; summary of observed experiments and nonparametric significance tests. Prerequisite: BIO 203. *Fall.*

351. Molecular Biology. (3-4-5)

Detailed analysis of structure and ultrastructure of the cell; bio-chemistry, biophysics, physiology and molecular genetics. Prerequisite: CHE 308. *Spring.*

400. Physiological Ecology. (3-4-5)

A study of the anatomical, biochemical, and physiological adaptation of plants and animals to specific environments. Emphasis will be placed on the physiological problems faced by organisms common to the local salt marsh and marine environments. Prerequisites: BIO 309, CHE 307; MBI 282. *Fall.*

401. General Physiology. (3-4-5)

A study of functional physico-chemical occurrences in living organisms. The physiological roles of water, chemical constituents, pH, diffusion, osmosis, permeability, surface phenomena, viscosity, temperature, oxidation-reduction enzymes, and bioelectricity will be considered. Prerequisites: BIO 203, 206; CHE 308, PHY 202; MBI 215. *Fall.*

402. Animal Physiology. (3-4-5)

A study of vertebrate systematic physiological processes. Topics to be considered are: nervous and endocrine control mechanisms, muscle contraction, digestion, circulation, respiration, bioenergetics and metabolism, excretion and receptor physiology. Prerequisites: CHE 308, BIO 401. *Winter.*

406. Plant Physiology. (3-4-5)

An introduction to cellular and organismal functions important in the life of green plants with emphasis on the physical and chemical basis of the observed properties and processes. Prerequisites: BIO 301, 302; CHE 308. *Fall.*

407. Principles of Immunobiology. (3-4-5)

An introduction to the study of infection and immunity in diseases emphasizing immunochemistry and physical and chemical methods in immunology. Prerequisite: BIO 306. *Fall.*

411. General Pharmacology. (3-4-5)

A study of the general principles of Pharmacology, prescription writing, drug prices, the automatic drugs, cardiovascular drugs, sedatives and hypnotics, alcohol, histamines and antihistamines, analgesic drugs and drugs affecting behavior. Prerequisites: BIO 301, 401; CHE 308; PHY 202. *Winter.*

412. General Pharmacology. (3-4-5)

Continuation of Biology 411, and includes such topics as general anesthesia, local anesthetics, drugs acting on the gastrointestinal tract, diuretics, chemotherapeutic agents, chemotherapy of certain neoplastic diseases, gonadal hormones, insulin and oral hypoglycemic agents, poisons and antidotes, and pesticides. Prerequisite: BIO 411. *Spring.*

418. Physiological Chemistry. (3-4-5)

A course dealing with fundamentals of biological chemistry with emphasis upon chemical structure, the properties of enzymes, intermediary metabolism, energy transformation and regulation of cellular processes. Prerequisite: CHE 307, 308. *Winter.*

420. Molecular Genetics. (3-4-5)

The nature and function of genetic material, genetic code and physical basis of inheritance. The study also includes genetic control of cellular metabolism; mechanisms of gene action; genetic capacity for biosynthesis; gene enzyme relationship; and chemical nature of agents of heredity. Prerequisite: BIO 303. *Winter.*

425. Bacterial Physiology. (3-4-5)

A review of current knowledge of bacterial growth and reproduction considered at the molecular level. Study of cellular structure, growth-kinetics, the syntheses of DNA, RNA and protein, the regulation of metabolism and general cellular physiology; the patterns of energy generation and biosynthesis and their regulation. Prerequisite: BIO 306, 401. *Spring.*

426. Virology. (3-4-5)

A study of the biological, chemical, and physical characteristics of the viruses with emphasis on the techniques of isolation and cultivation. Prerequisite: BIO 306. *Spring.*

427. Mycology. (3-4-5)

A study of the ecology, physiology and systematics of micro-fungi with emphasis on those forms which are of industrial or general economic importance. Prerequisite: BIO 306. *Winter.*

430. Biology Seminar. (0-2-1)

Introduction to biological literature, research methodology, manuscript preparation, and seminar presentation. Prerequisites: Junior or Senior Standing. *Fall, Winter, Spring.*

431. Introduction to Research. (2-0-2)

Student participation in faculty-supervised research projects. A manuscript and an oral presentation of research findings are required. Prerequisite: Junior or Senior Standing and Approval of Department Head. *Fall, Winter, Spring.*

440. Senior Research. (3-0-3)

An honors research project for students having a minimum grade point average of "B" and having demonstrated exceptional research potential. Prerequisite: BIO 430, Senior Standing. *Fall, Winter, Spring.*

ENVIRONMENTAL STUDIES (ENS)

201. Environmental Studies. (2-2-3)

A survey of the environmental problems facing man: ecological, technological, cultural and economic. *Fall.*

301. Hydrology. (3-4-5)

Topics dealing with the fundamentals of the hydrologic cycle, budget and equation; precipitation, evapotranspiration, stream flow; ground water flow and urban v.s. watershed models. Prerequisite: MAT 212 or equivalent. *Winter.*

302. Limnology. (2-2-3)

Evolution and morphology of ponds, lakes and streams; physical and chemical characteristics of inland waters, aquatic biota, their taxonomy and ecology. Prerequisites: BIO 128, 301 and CHEM 104. *Spring*.

304. Environmental Ethics. (3-0-3)

The basics in philosophical and ethical thought especially as related to the development in humankind of a new ecological ethic. Prerequisite: HUM 232, 233; BIO 203. *Fall*.

305. Environmental Aesthetics. (3-0-3)

Introduction to the assessment of environmental problems and issues from philosophical, literary, aesthetic, historical and anthropological perspectives. Prerequisite: ENS 201, HUM 232, 233. *Winter*.

306. Microbial Ecology. (3-4-5)

Relationships of microorganisms to their environment and to other organisms: Symbiotic, soil and aquatic microorganisms are considered. Prerequisite: BIO 128, 203. *Fall*.

308. Environmental Surveying and Mapping. (2-4-3)

The basic tools of surveying the transit, level, tape, EDM and alidade are introduced. Basic topographic and hydrographic map making and interpretation are studied. The modern tools: satellite imagery, infra-red photomapping and telemetry are considered. To be modularized. ENS 201, MAT 108, PHY 202. *Spring*.

309. Internship. (1-0-6)

Practical training and experience with an appropriate agency. Prerequisites: ENS 201, Sophomore standing. *Fall, Winter, Spring*.

***363.**

365. Environmental Planning. (3-0-3)

Introduction to environmentalism in land use planning strategies: zoning, subdivisions and community organization; growth control. Local, state and federal regulations on land use planning and development. *Winter*.

400. Environmental Law. (3-0-3)

The legal processes relating to resource conservation, utilization and the monitoring, control, and abatement of pollution of water, air and land. Prerequisites: ENS 304, 305. *Winter*.

403. Environmental Issues in Environmental Design. (2-2-3)

Consideration of the historic, social, cultural and political issues which converge with ecological factors during the development of an acceptable environmental design. Prerequisites: ENS 304 or 305 and Senior Standing. *Winter*.

405. Environmental Impact Assessment. (2-2-3)

Multidisciplinary teams are organized to produce actual EIS's. Geology, soils, topography, hydrology, meteorology, biology, sociology and economics are all involved. Prerequisite: ENS 400 and Senior Standing or approval by Department Head. *Winter.*

410. Environmental Studies Synthesis Seminar. (2-2-3)

Involvement in and searching environmental studies literature, data collecting and analysis. A manuscript is prepared and presented. Prerequisite: ENS 405 and senior standing. *Winter.*

MARINE BIOLOGY (MBI)

209. Technical Writing. (2-0-2)

Organizing scientific data, writing and illustrating technical reports, oral reporting. Prerequisite: ENG 109. *Fall.*

215. Marine Biology. (3-4-5)

Introduction to the physiology, morphology, taxonomy and ecology of marine organisms. Prerequisite: BIO 124 or 128. *Fall, Spring.*

219. Environmental Analysis Technique. (2-6-4)

Equipment and techniques employed in collecting and analyzing chemical, biological, geological and physical samples and data from marine and coastal environments. Prerequisite: CHE 104 and MBI 280. *Spring.*

250. Field Studies in Fish Biology. (3-12-5)

This field and laboratory oriented course focuses upon general topics and current hypotheses in marine fish ecology, behavior and biogeography. General aspects of fish biology are discussed (e.g. basic taxonomy, behavior and ecology) with emphasis on field methods and techniques used in sampling, observation and hypothesis testing. Part of the course will be conducted at Savannah State College on the Georgia coast and part at the Forfar Field Station on Andros Island in the Bahamas. This is a five week course. Prerequisite: Consent of instructor. SCUBA certification recommended. *Summer.*

280. Introduction to Oceanography. (3-4-5)

Survey of basic concepts and interrelationships of physical, geological, chemical, and biological oceanographic and inshore ecosystems. Introduction to function and application of oceanographic equipment. Prerequisite: BIO 124 or 128 or CHE 104. *Fall, Winter.*

291. Descriptive Marine Taxonomy. (3-4-5)

Sorting and classifying techniques for marine flora and fauna. Introduction to use of literature, keys, monographs, guides, and regional studies. Prerequisite: BIO 201. *Spring.*

292. Marine Instruments. (3-4-5)

Proper usage of equipment employed in collecting, biological, geological, and physical samples and data from marine and coastal environments; rigging techniques, maintenance, repair. Prerequisite: MBI 280. *Spring.*

293. Marine Analysis Techniques. (3-4-5)

Methodologies and techniques employed in analyzing marine environmental parameters (chemical, biological, geological and physical). Emphasis on analytical techniques employed in current ongoing marine environmental research. Prerequisite: CHE 104; Corequisite: MBI 292. *Spring*.

294. Biological Illustration and Photography. (3-4-5)

Photographic methods of illustrating specimens and preparing illustrations. Prerequisite: CHE 104. *Winter*.

332. Biostatistics. (3-0-3)

Introduction to statistics having special applications to biological data, experimental design, data analysis, and interpretation, population statistics, hypothesis testing, analysis of variance, significance testing. Prerequisite: MAT 108. *Winter*.

334. Marine Chemistry. (3-4-5)

Chemical composition and processes of seawater; sample collection and chemical analysis techniques; carbonate buffering system, biogeochemical cycles. Prerequisites: CHE 104, MBI 280. *Fall or Winter*.

382. Marine Invertebrate Zoology. (3-4-5)

Survey of the major marine invertebrate taxa emphasizing function and special adaptations to marine environments. Practical emphasis on collecting, preserving, sorting and classifying, especially local species. Prerequisite: MBI 215. *Fall*.

481. Biological Oceanography. (3-4-5)

Global-scale considerations of biological features and processes within oceanic environments including: marine biogeography, oceanographic nutrient cycles, food webs and energy flow, pelagic and abyssal zone community dynamics, oceanic food resources, plankton biology. Prerequisites: MBI 280, MBI 215. *Winter*.

484. Marine Ecology. (3-4-5)

Principals of ecology related specifically to marine and estuarine ecosystems. Recent contributions to theoretical and experimental population, community and systems ecology from research in marine environments; quantitative ecology. Prerequisites: MBI 332, MBI 382. *Spring*.

485. Ichthyology. (3-4-5)

Taxonomy, physiology, morphology and natural history of fishes, emphasis of southeastern marine species. Prerequisite: MBI 215. *Spring*.

Honors Program

The Minority Access to Research Careers (MARC) Honors Undergraduate Research Training Program is a part of the School of Sciences and Technology. The Program is funded by National Institute of General Medical Sciences. One of the objectives of the Program is to increase the number of college graduates who can gain admission to a Ph.D. program in major field for eventual research in a health or biomedically related area. The program is interdisciplinary and is open to undergraduate majors in Biology, Chemistry, Mathematics and Physics.

DESCRIPTION OF COURSES

NATURAL SCIENCES (NAS)

***310. Biomedical Instrumentation. (3-4-5)**

A lecture and laboratory course in principles and application of spectrometry, various separation methods, radiotracer techniques. Computer software, etc. Prerequisite: Junior Standing. *Winter.*

***320. Research Methods. (3-0-3)**

A course dealing with methodology of research and interpretation of research results. A seminar based on a review of literature pertinent to anticipated research is an integral component of this course. Prerequisite: Junior Standing. *Spring.*

350. Biostatistics. (5-0-5)

This course is designed to give statistical tools relevant to biological and health sciences. Applications of statistics in the areas of clinical trials, health studies (epidemiology) and laboratory technology. The course will include analysis of vital statistics, graphing data, analysis of data collected in incidence studies and experimental studies. Biomedical package will be used for learning computing techniques. Prerequisite: MAT 217. Junior Standing. *Spring.*

410. Mathematic Modeling. (5-0-5)

The course will involve the basis for the use of mathematic model building. The student will be introduced to various kinds of models such as the theory of models for Linear Optimization, models involving chance, choice and competitions; graphs and models, growth model for epidemics; Markov chain models (single nerve cell); models for ecological and chemical systems; models involving calculus and differential equations. Prerequisite: MAT 213. Senior Standing. *Spring.*

420. Special Topics in Inorganic Chemistry. (3-0-3)

This course will include a general discussion of selected topics in Inorganic Chemistry such as chemical bonding, ligand field theory, coordinated complexes and chelates, molecular and crystal structure, dipole moments and properties of biologically important trace elements. Prerequisite: Senior Standing. *Fall.*

430. Biophysics. (3-0-3)

A selection of various topics of current interest in biophysics to include molecular spectroscopy and photobiology radioactivity and biological tracers, biological effects of ionizing radiation, properties of macromolecules, biophysical studies on nerves and muscles, and analog simulation and dynamical modeling of living systems. Prerequisite: Senior Standing. *Winter.*

*Required of all MARC RESEARCH TRAINEES.

DEPARTMENT OF CHEMISTRY

WILLIE G. TUCKER, *Head*

Jeffrey James
Manchery P. Menon

Kamalakar B. Raut
George N. Williams

The work in the Department of Chemistry is intended to serve four purposes: (1) to provide a thorough foundation in the general courses for students who seek an understanding of the methods and achievements of the chemists; (2) to provide the needed semi-specialized preparation for students who are majoring in home economics and engineering technology; and (3) to provide preprofessional training for students who intend to study dentistry, medicine, other health professions, and for those who plan to enter graduate school.

The Department of Chemistry offers the usual general courses, a minor sequence, and courses leading to the degree of Bachelor of Science with a major in chemistry. The department also offers a Dual Degree Chemical Engineering Program whereby the student attends Savannah State College for approximately three academic years and Georgia Institute of Technology, for approximately two academic years. (See Department of Engineering Technology, Dual Degree Program, page 170).

CHEMISTRY CURRICULUM

JUNIOR COLLEGE CURRICULUM

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required		
English 107-108-109		15 hours
Humanities 232		5 hours
Area II — Mathematics and Natural Sciences: 20 hours required		
Mathematics 107-108		10 hours
Biology 123-124		10 hours
Area III — Social Sciences: 20 hours required		
History 101-102-200		15 hours
Political Science 200		5 hours
Area IV — Courses Appropriate to the Major: 30 hours required		
Chemistry 101-102-103		15 hours
Mathematics 109-212-213		15 hours
Additional Requirements:		
Physical Education		6 hours
General Education 100		2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 98 quarter hours

Major Requirements: 58 hours as specified

Chemistry 303-304-305-307-308-309 401-402-403-404-405-406-408-415	5 hours
Chemistry 313-409-410	3 hours
Chemistry 311-407	2 hours

Specific Electives: 35 hours

Elementary German 151-152-153	15 hours
Humanities 233	5 hours
Physics 201-202	10 hours
Mathematics Elective	5 hours

General Elective	5 hours
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COMPREHENSIVE EXAMINATION

Senior Chemistry majors are required to take the Graduate Record Examination (Area and Aptitude tests) as the comprehensive examination in their field.

**MEDICAL TECHNOLOGY CURRICULUM
(CHEMISTRY OPTION)**

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics 107-108	10 hours
Physics 201-202	10 hours

Area III — Social Sciences: 20 hours required

History 101-102-200	15 hours
Political Science 200	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Chemistry 101-102-103	15 hours
Biology 128-200	6 hours
Humanities 233-234	9 hours

Additional Requirements:

Physical Education	6 hours
General Education 100	2 hours

SENIOR COLLEGE CURRICULUM:

Major Requirements: 63 quarter hours plus 52 weeks of hospital clinical laboratory training.

Chemistry 303-304-307-308-312-350-412 27 hours

Specific Electives:

Biology 201-202-306	11 hours
German 151-152-153	15 hours
Social Science 201	5 hours
Mathematics 212	5 hours

Clinical Laboratory Training

Fifty-two weeks of study and clinical experience in an accredited hospital laboratory are required. After completing all requirements, the degree candidate can qualify for the examination given by the Registry of Medical Technologists.

DESCRIPTION OF COURSES

CHEMISTRY (CHE)

101. General Inorganic Chemistry. (4-3-5)

An introduction to the fundamental principles of chemistry with laboratory experiments designed to supplement class room lectures. *Fall, Winter, Summer.*

102. General Inorganic Chemistry. (4-3-5)

A continuation of chemistry 101 that includes a broad and general discussion of the chemistry of metals and non-metals, study of the properties of solutions, chemical kinetics, coordination compounds and the properties of liquids and solids. Basic concepts of organic chemistry, nuclear chemistry and biochemistry are discussed. *Winter, Spring, Summer.*

103. General Inorganic Chemistry. (2-9-5)

Theory and laboratory practice in the fundamentals of analytical chemistry. The systematic separation and identification of cations and anions. Prerequisite: CHE 101 or 102. *Fall, Spring.*

104. General Inorganic Chemistry. (2-9-5)

Designed for the biology major whose curriculum requires only two quarters of general chemistry. Treats certain topics of CHE 102 and CHE 103 dealing with the theory and methods of qualitative analysis. Prerequisite: CHE 101. *Winter, Spring.*

115. Chemical Calculations. (1-0-1)

An introduction to the use of mathematics in chemistry. *Spring.*

303. Analytical Chemistry. (3-6-5)

Theory and practice of volumetric methods of analysis involving the following titrations: precipitation, potentiometric acid-base, complexometric, non-aqueous and redox. Prerequisite: CHE 103 or 104. *Fall.*

304. Analytical Chemistry. (3-6-5)

Gravimetric methods of analysis involving quantitative separations by volatilization, qualitative precipitation, extraction, and chromatography. Prerequisite: CHE 103 or 104. *Winter.*

305. Instrumental Methods of Analysis. (2-6-4)

Covers the theory, techniques and methods of analysis using modern instruments. Potentiometric, conductometric, spectrophotometric (including infra-red), polarographic, and chromatographic methods of analysis are practiced in the laboratory. Prerequisites: CHE 303-304. *Spring.*

307. Organic Chemistry. (3-6-5)

Preparations, tests, and properties of carbon compounds. Aliphatic compounds are emphasized. Prerequisite: Ten quarter hours of college chemistry. *Fall, Summer.*

308. Organic Chemistry. (3-6-5)

Continuation of Chemistry 307, with emphasis on aromatic and heterocyclic compounds. Prerequisite: CHE 307. *Winter, Summer.*

309. Qualitative Organic Analysis. (3-6-5)

Chemical and physical properties of organic compounds are used in the laboratory for the purpose of separating and identifying them. Prerequisite: CHE 308. *Spring.*

310. The Chemistry of Textiles. (3-6-5)

The chemical make-up of certain natural and man made fibers is studied. Prerequisite: CHE 307. *Spring.*

331. Biophysical Chemistry. (4-3-5)

Designed for premedical students and students in biological sciences or related disciplines. General topics of discussion in the course are colligative properties of solutions, thermodynamics, rates and mechanism of enzyme-catalyzed reactions, colloids, and transport phenomena in liquids. Prerequisite: Junior standing. *Winter.*

401. Physical Chemistry. (3-3-4)

Study of the behavior of gases, gas laws, kinetic theory of gases, thermochemistry, thermodynamics and homogeneous and heterogeneous chemical equilibria. Application of physical principles to the solution of chemical problems is highly emphasized. Prerequisites: MAT 213, PHY 202. *Fall.*

402. Physical Chemistry. (3-3-4)

A continuation of CHE 401 which includes such topics as properties of solutions, phase equilibria, electrochemistry and chemical kinetics. Prerequisite: CHE 401. *Winter.*

403. Physical Chemistry. (3-3-4)

A continuation of CHE 402 that deals with the properties of solids and liquids, atomic and molecular structure, quantum chemistry, chemical bonding and surface chemistry. Prerequisite: CHE 402. *Spring.*

404. Biochemistry. (3-6-5)

The chemistry of carbohydrates, lipids, proteins, mineral elements and water. Prerequisite: CHE 307. *Fall, Spring.*

405. Biochemistry. (3-0-3)

Chemistry of vitamins, enzymes, hormones and mechanisms of digestion and animal and plant metabolism will be studied. Prerequisite: CHE 404. *Winter.*

406. Biochemical Preparations. (0-3-1)

Isolation and identification of compounds from natural products and synthesis of compounds with possible biochemical importance. Prerequisite: CHE 404. *Fall, Winter, Spring.*

311-407. Introduction to Research in Chemistry. (0-3-1)

Designed to acquaint the student with techniques used in simple research problems. Examination of chemical literature and experimental work. Prerequisites: Junior standing in chemistry and consent of the staff. *Fall, Winter, Spring.*

312-408. Chemical Seminar. (1-0-1)

Modern development in specific subdivisions of the field of chemistry are considered. Prerequisite: Junior or senior standing. *Fall, Winter, Spring.*

313-409-410. Organic Preparations. (0-3-1)

Preparations involving selected syntheses and name reactions. Prerequisite: CHE 308. *Fall, Winter, Spring.*

411. Radioisotope Technology. (3-3-4)

Provides a basic understanding of the nuclear atom, knowledge of the detection and measurement of radioactivity, and also includes a study of the many applications of radioisotopes in chemistry, biology, geology, etc. Prerequisite: Junior standing in the major field. *Winter.*

415. Chemical Literature. (1-0-1)

Involves the use of the library in general and the procedures to obtain chemical information in particular by referring to abstracts and journals. *Spring.*

420. Special Topics in Inorganic Chemistry. (3-0-3)

This course will include a general discussion of selected topics in Inorganic Chemistry such as chemical bonding, ligand field theory, coordinated complexes and chelates, molecular and crystal structure, dipole moments and properties of biologically important trace elements. Prerequisite: Senior standing and the consent of the instructor. *Fall quarter.*

**DEPARTMENT OF MATHEMATICS, PHYSICS,
AND COMPUTER SCIENCE**

JOHN B. CLEMMONS, *Head*

Venkataraman Ananthanarayanan
Jacquelyn M. Byers
Kailash Chandra
Gian Ghuman
Timothy Goodwin
Sigmund N. Hudson

Jacob Engelhardt
Prince A. Jackson
Walter W. Leftwich
Dorothy D. Murchinson
Barbara A. McFall, Secretary

The aims of the Department of Mathematics and Physics are: (1) to offer to all students an opportunity for acquiring in the mathematical, physical, statistical, and computer sciences the basic skills and knowledge which are needed for successful living, together with an appreciation of the contributions of these sciences to the development of human progress; (2) to provide students in the natural, environmental, and engineering sciences with insights into physical laws, with analytical and logical thinking, and with the mathematical and computer tools essential in the various fields of the sciences; (3) to provide computer and statistical skills to students in the social sciences, business administration, and other areas; (4) to provide advanced training in the programs of the Department of those planning graduate study in the sciences; and (5) to provide specialized training in such areas as air traffic control.

The Department offers a major in mathematics, which has been designed for those interested in industry, government, or advanced training in the sciences, and offers a major in physics available on a limited basis through a cooperative agreement with Howard University. The Department offers minors in computer science, mathematics, physics, and air traffic control.

CURRICULUM FOR MINORS

Mathematics Minor:

Mathematics 107-108-109-212-213	25 hours
Mathematics Electives	4 hours
Total	29 hours

Physics Minor:

Physics 201-202-203	15 hours
Physics 410	4 hours
Physics Electives	10 hours
(Chosen from Physics 306, 307, 308, 310, 312, 499)	

Computer Science Minor for Students with a Science Major:

Mathematics 200-201-250-251-413	20 hours
Computer-Science Electives	10 hours
(Chosen from Mathematics 270, 303, 360, 370)	

Computer Science Minor for Students with Business Major:

Mathematics 200-201-260-261-250-270-380	29 hours
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Computer Science Minor for Students with Other Major:

Mathematics 108-200-210-250-303-270	29 hours
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NOTE: Mathematics Majors as well as any other student may minor in Physics.

**CURRICULUM FOR MINOR IN
AIR TRAFFIC CONTROL**

Mathematics majors (who qualify) may earn 15 hours in each of two quarters under a special program at the Savannah Air Traffic Control Tower.

Students admitted to the program must pass an aptitude test and be recommended by the head of the department.

TSC 101, 102, 103, 104	Cooperative Education Seminar	4* hours
ATC 310	Introduction to Air Traffic Control	4 hours
ATC 312	Navigational Science	5 hours
ATC 316	Control Tower Operation	3* hours
ATC 321	Introduction to Aeronautical Science	5 hours
ATC 323	Computer Theory and Operation for Air Traffic Control	5 hours
ATC 325	Flight Data and Clearance Delivery	3* hours
ATC 430	Introduction to the Flight Service Option	5 hours
ATC 434	Aviation Meteorology	5 hours
ATC 438	Operating Flight Service Station Positions	3* hours
ATC 445	Introduction to Radar	5* hours
ATC 447	Aviation Speech and Communication	5* hours
ATC 449	Ground Control and Local Control	3* hours

It is preferable that the Physics minor be taken in combination with a major requiring at least 10 quarter hours of chemistry, 5 quarter hours of college algebra, 5 quarter hours of trigonometry and 10 quarter hours of differential and integral calculus. The minor should begin with Physics 201.

In cooperation with Howard University, a major in Physics is offered. A student with a minor in Physics will receive a degree of Bachelor of Science with a major in Physics after taking six upper level physics courses at Howard University in one semester and two summers (ten weeks each).

In cooperation with Georgia Institute of Technology, a Dual Degree Program is offered, whereby undergraduate students can attend Savannah State for approximately three years and then attend the Institute for approximately two years. Upon completion of the program the student will receive baccalaureate degrees from both institutions. More details on this program are listed on pages 170-172.

MATHEMATICS CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required		
English 107-108-109		15 hours
Humanities 232		5 hours
Area II — Mathematics and Natural Science: 20 hours required		
Mathematics 108-109		10 hours
Physics 201-202		10 hours

Area III — Social Sciences: 20 hours required	
History 101	5 hours
Political Science 200	5 hours
Psychology 201	5 hours
History 200	5 hours
Area IV — Courses Appropriate to Major: 30 hours required	
Mathematics 200-201	5 hours
Mathematics 212-213-214	15 hours
Physics 203	5 hours
Economics 201	5 hours
Additional Requirements	
Physical Education	6 hours
Social Science 114	1 hour

SENIOR COLLEGE CURRICULUM:

Requirements: 100 quarter hours	
Major Requirements: 45 hours as specified	
Mathematics 315-316-318-319-404-411	30 hours
Selected upper level mathematics courses	15 hours
Minor Requirement	30 hours
Specific or Recommended Electives: 25 hours	
Humanities 233	5 hours
Modern Languages	15 hours
Elective	5 hours

EARTH SCIENCE

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours	
Area I — Humanities: 20 hours required	
English 107-108-109	15 hours
Humanities 232	5 hours
Area II — Mathematics and Natural Sciences: 20 hours required	
Mathematics 107-108	10 hours
Chemistry 101-102	10 hours
Area III — Social Sciences: 20 hours required	
History 102-200	10 hours
Social Science 201	5 hours
Political Science 200	5 hours
Area IV — Courses Appropriate to the Major: 30 hours required	
Physical Science 204	5 hours
Physics 201-202 or 203	10 hours
Earth Science 221-223	10 hours
Biology 128	5 hours

Additional Requirements	
Physical Education	6 hours
Social Science 114	1 hour

SENIOR COLLEGE CURRICULUM:

Requirements: 98 quarter hours

Major Requirements: 28 hours required	
Earth Science 300-320-404-420-440-490-499	28 hours

Specific Electives: 23 hours	
Chemistry 307	5 hours
Earth Science Electives	8 hours
Biology 306	5 hours
Mathematics 212	5 hours

PHYSICS CURRICULUM

A student may earn a major in Physics at Savannah State College by completing the following physics courses under the cooperative program with Howard University. These courses or their equivalent can be taken either at Savannah State College or at Howard University. The list below gives some of the courses presently available at Savannah State College as well as those tentatively developed by Howard University for this program.

LIST OF COURSES

201	General Physics, An introduction to mechanics and heat .	5 hours
202	General Physics, Sound and light	5 hours
203	General Physics, Magnetism, electricity, and modern physics	5 hours
306	Advance Mechanics and Heat	5 hours
307	Illumination and Optics	5 hours
308	Magnetic and Electrical Measurements	5 hours
310	Mathematical Physics (5-0-5) Qualitative and quantitative relationships	5 hours
312	Introduction to Electronics	5 hours
410	Modern Physics, atomic and nuclear physics	5 hours
499	Introduction to Research in Physics	3 hours

DESCRIPTION OF COURSES

MATHEMATICS (MAT)

107. College Algebra. (5-0-5)

This course presents certain topics of intermediate algebra in a form that will prepare students for a later study of trigonometry as well as to prepare all students for successful management of their present and future daily mathematical needs. Topics included are: The Real Number System, Functions and Polynomials and Inequalities (first and second degree), Systems of Equations, and Operations with Exponential Numbers (including radicals). *Fall, Winter, Spring.*

108. College Algebra and Trigonometry. (5-0-5)

Functions and transformations, exponential and logarithmic functions, circular functions, trigonometric functions of angles or rotations, trigonometric identities, inverse functions, and equations, triangles, vectors, and applications, and complex numbers. Prerequisite: MAT 107. *Fall, Winter, Spring.*

109. Plane Analytic Geometry. (5-0-5)

Elementary concepts of plane analytic geometry; straight lines, the four conics, curve sketching, translations, rotations, other curves, parametric equations. Prerequisite: MAT 108. *Fall, Winter, Spring.*

110. Mathematics for Business Students. (5-0-5)

This course is designed to meet the mathematical needs of business students who have completed the general education mathematics sequence. The course is designed to review and supplement the knowledge gained in MAT 107. There is ample review, in the course, of such concepts as functions, domain and range, relations, systems of equations, exponents, radicals, and logarithms, simple and compound interest, and matrices. There is also an elementary introduction to techniques of differentiation and integration. Prerequisite: MAT 107. *Fall, Winter, Spring.*

200. Introduction to Computer Science. (3-0-3)

A study of the background and basic concepts of the computer and its use. An introduction to the fundamentals of programming in BASIC via the terminal, and an introduction to the creation and manipulation of files. Prerequisite: MAT 107. *Fall, Winter, Spring.*

201. Computers in Society. (2-0-2)

No mathematical background required. An introduction to the history and evolution of the computer, and to the use of the computer in helping man to solve problems. A consideration of some of the ways in which the computer influences social organizations and individuals. *Fall, Winter, Spring.*

210. Computer Methods for Humanistic Problems. (5-0-5)

No mathematical or scientific background presumed. An introduction to elementary digital programming in an appropriate language with emphasis on utilizing existing "library" programs to solve problems arising in the humanities and social sciences. The class is divided into interest groups from all areas of the humanities and social sciences, with each group solving problems related to its discipline. Prerequisite: MAT 201.

212. Analysis I. (5-0-5)

(Analytic Geometry and Differential Calculus) Designed to present an integrated approach to analytic geometry and differential calculus. Basic concepts of analytic geometry, graphs and functions, basic concepts of calculus, the derivative, applications to curve tracing, maxima and minima, velocity, acceleration, rates, differentials, approximate values. Prerequisite: MAT 108. *Fall, Winter, Spring.*

213. Analysis II. (5-0-5)

(Analytic Geometry and Integral Calculus) Integration, the integral as limit of a sum, geometrical applications of integration, physical application, derivatives of trigonometric functions, polar coordinates, conic sections, logarithmic and exponential functions, formal integration. Prerequisite: MAT 212. *Fall, Winter, Spring.*

214. Analysis III. (5-0-5)

Further applications of integrals, improper integrals, L'Hospital's Rule, sequences, limits, series, convergence tests, Taylor series, power series. Prerequisite: MAT 213. *Spring.*

217. Introduction to Probability and Statistics. (5-0-5)

Mean, median, mode, range, variance and standard derivation of raw and grouped data; probabilities; correlations; the normal distribution; the t-distribution; statistical inference, including the pooled t-test, the one-way and two-way analysis of variance, the chi-square test. Non-parametric statistics including the Wilcoxon matched pairs signed pairs ranks test; other test. Prerequisite: MAT 107. *Winter.*

250. Computer Programming in a Numerical Language I. (5-0-5)

An introduction to the FORTRAN programming language and its applications in problem solving. Prerequisite: MAT 108. *Fall, Winter, Spring.*

251. Computer Programming in a Numerical Language II. (5-0-5)

Extension of the subject matter covered in MAT 250 to include subprograms and arrays. Scientific Packages are introduced and used. Computer concepts are used to solve problems arising in the various scientific disciplines. Prerequisite: MAT 250. *Winter.*

264. Computer Programming in RPG. (5-0-5)

An introduction to the programming language RPG. Topics to include RPG specification forms, comparing, branching, control breaks, multiple record types, arrays, and random access concepts.

270. Simulation and Computational Statistics. (5-0-5)

The computer will be used as a tool to implement various probabilistic and statistical concepts to include an introduction to simulation techniques. Prerequisite: MAT 250. *Spring.*

303. Methods and Models. (5-0-5)

Mathematical concepts, notations, and methods commonly used in the social and behavioral sciences, with emphasis on real problem solving. This course is an analogue to MAT 210, except that the emphasis is upon the student creating his own programs to solve specific problems. This should be considered a course for juniors or seniors. Prerequisite: MAT 250.

306. Data and File Management. (5-0-5)

This course is designed to introduce students to the various types of files that are in use, such as VSAM, BDAM and ISAM. File access methods and techniques are discussed in relation to the desired application to be achieved. In addition, the techniques of blocking, deblocking, record formatting, and choice of appropriate storage media are covered.

311. Mathematics of Finance. (5-0-5)

Consumer mathematics for prospective secondary teachers. Ratio, proportion, and percentage applied to commercial problems; compound interest and compound discount; ordinary and other types of annuities; amortization and sinking funds; valuation of bonds; mathematics of depreciation; life annuities and life insurance; income tax returns.

315. Modern Algebra I. (5-0-5)

An introduction to modern algebraic systems and to proof-making. Functions, relations, binary operations, rings, subrings, homomorphisms, integral domains, with emphasis on divisibility properties of the integers and the integers mod n . Prerequisite: MAT 213. *Fall*.

316. Modern Algebra II. (5-0-5)

Further topics in modern algebra. Fields; properties of the rational numbers, the real numbers, and the complex numbers; groups; polynomial rings; roots of polynomials. Prerequisite: MAT 315. *Winter*.

318. Advanced Probability. (5-0-5)

Probability spaces, game theory, random variables, expected value, random sampling, correlation, and regression. Prerequisite: MAT 213. *Spring*.

319. Linear Algebra. (5-0-5)

Matrix algebra, solutions of linear systems using row operations, vector spaces, examples of vector spaces, linear independence, spanning sets, bases, ranks, determinants, matrix inversion, linear transformations, null space and range. Prerequisite: MAT 213.

320. Theory of Equations. (5-0-5)

Complex numbers; elementary theorems on the roots of an equation; constructions with rulers and compasses; cubic and quadratic equations; the graph of an equation; isolation of the real roots; solution of numerical equations; determinants — systems of linear equations; symmetric functions; elimination, resultants and discriminants; fundamental theorem of algebra.

321. Introduction to Higher Geometry. (5-0-5)

Designed to give a modern view of geometry, including a critical study of Euclidean geometry treated from an axiomatic viewpoint, as well as the study of non-Euclidean systems. Prerequisite: MAT 213. *Winter. (even years)*.

360. Computer Programming in a Business Language I. (5-0-5)

An introduction to the COBOL programming language and its applications to problem solving. This course is designed for business-oriented students, and applications will be in the areas of business and administrative data processing. Prerequisite: MAT 110. *Winter*.

361. Computer Programming in a Business Language II. (5-5-5)

Extension of the subject matter covered in MAT 360, to include creation and processing of data files on a random access device. Prerequisite: MAT 360. *Spring.*

333. Symbolic Logic.

This course presents the standard notations, methods and principles of symbolic logic for use in determining the validity or invalidity of arguments. It presents the standard methods of truth tables, Boolean expansions, sets, Euclidean geometry, logistic systems, and symbolic notation used in distinguishing correct (good) from incorrect (bad) arguments.

362. Computer Programming in a Machine Language. (5-0-5)

Basic assembler language programming and machine-level representation of instructions and data. Topics include interrupts, control flow of a program, I/O operations, macros and symbolic programming. Prerequisites: MAT 251 or 261.

370. Science and Engineering Mathematics. (5-0-5)

A study of computer-generated solutions to problems arising in the technical and physical sciences. Topics include: sequences; functions and derivatives; differential equations, logarithms and exponential functions. Prerequisites: MAT 212 or 250.

380. Linear Programming. (5-0-5)

A consideration of various optimization problems from the fields of business and finance that have Linear Programming formulations; emphasis is on computer techniques for solving these problems. Prerequisite: MAT 250. *Fall (odd years).*

395-296-397. Internship in Computer Science. (1-13-5)

Work and Study Experience in the Various Areas of Computer Science. Prerequisite: MAT 306. Junior or Senior status.

400. Data Structures and Organization. (5-0-5)

Logical Data Structures and their machine representation. Structures to include lists, trees, plexes, arrays and graphs. Prerequisite: MAT 360.

404. Differential Equations. (5-0-5)

Differential equations-orders and degree; solutions of differential equations; constants of integration; verification of solutions of differential equations; differential equations of the first order and of the first degree; two special types of differential equations of higher order; linear differential equations of higher order with constant coefficients; compound interest law; applications to problems in mechanics; series solutions to differential equations. Prerequisite: MAT 214. *Winter.*

409. General Point Set Topology. (5-0-5)

Designed to introduce the concepts of point set topology. Course includes introductory set theory, the real line, topological spaces, arcs and curves, partitionable spaces, and the axiom of choice. Prerequisite: MAT 214.

410. Introduction to Real Variable Theory. (5-0-5)

This course is designed to provide experiences in the Theory of Dedekind cuts, the existence of g.l.b. and l.u.b., sequences of numbers, and various theorems. Topics include numbers and convergence topological preliminaries, limits, continuity and differential ability, the Riemann Integral, sequences and series, functions of several real variables. Prerequisite: MAT 214.

411. Advanced Calculus. (5-0-5)

Vectors, lines, planes, vector calculus, functions of several variables, limits and continuity, partial derivatives and gradients, applications of gradients, double and triple integrals, line integrals. Prerequisite: MAT 214. *Fall*.

413. Numerical Analysis. (5-0-5)

Topics to be selected from: solving systems of linear equations: Gauss-Seidel and Jacobi methods; error analysis; approximating functions by infinite series; iteration techniques, techniques of integration, to include trapezoidal and Simpson's rules. Prerequisites: MAT 213 or 251. *Fall (even years)*.

415. An Introduction to Data Base Systems. (5-0-5)

Topics to include data models, the relational approach, the hierarchical approach and the network approach. An in-house system will be studied in depth. Prerequisite: MAT 260-261.

420. History of Mathematics. (3-0-3)

The history of mathematics from earliest time through the development of calculus, with mathematical problems from many of the periods and cultures. Prerequisite: MAT 214. *Spring (odd years)*.

498. Newtonian Seminar. (2-0-2)

This course is designed for students who wish to participate in mathematics seminars for credit. Juniors and Seniors. Prerequisite: MAT 214. *Fall, Winter, Spring*.

499. Mathematical Research.

This course is designed for mathematics majors who are capable of working with a minimum amount of guidance. The student reports periodically to his supervising professor, and the specific content of the course is directed by the supervising instructor. Prerequisite: student must have earned a total of 130 quarter hours, including a minimum of thirty hours in mathematics. *Fall, Winter, Spring. Credit, one to three quarter hours.*

EARTH SCIENCE (ESC)**221. Earth Sciences. (3-4-5)**

Earth as a planet; features of the globe; rocks and minerals. Natural processes acting on the earth's surface, and the resulting land forms. Includes the composition, movements and displacements of the earth's crust; and the action of streams, waves, wind, atmosphere, glaciers and volcanoes. Ocean action; geologic time and presence of isotopes; our earth's resources. Prerequisite: Advanced standing and some knowledge of Physics and Chemistry. (May be used to satisfy elective units in general science, general education and teacher education.)

223. Astronomy and Space Science. (3-4-5)

Historical development of astronomy; the tools and methods of the astronomer; the earth, the moon and the solar system. Stellar systems, galaxies and cosmology. History of space exploration, space flight and earth's environment. Space propulsion systems, life-support systems, and space application. *Spring*.

320. Introduction to Meteorology. (3-4-5)

The atmosphere, its composition and density. Heating of land and water; air in motion and its circulation patterns. Role of atmospheric temperature, pressure and humidity distribution; fog and clouds. Thunderstorms, tornadoes and hurricanes. Prerequisite: PHY 202-202. *Fall*.

420. Weather and Climate. (3-4-5)

Why winds blow. Moisture in the atmosphere. Radiation; stability. Winds and pressure. The general circulation. Weather maps. Extratropical cyclones and waves. Interrelationships among the physical processes of weather. Weather and man. Climatic change. Prerequisite: ESC 320. *Winter*.

425. Interactions of Global Environment. (3-2-4)

Man's activities affecting the equilibrium of atmosphere, hydrosphere, biosphere, and lithosphere. Discussion of natural cycles such as the energy cycle; the water cycle; the carbon cycle; the oxygen cycle; the nitrogen cycle, the sulfur cycle and the phosphorus cycle. Preservation of man's healthy environment. Prerequisite: CHE 101-102 and GEO 300 or equivalent.

490. Special Problems in Earth Sciences. (0-6-2)

Study of literature, laboratory or field investigation of a selected topic and presentation of a written report or a seminar. Prerequisite: Junior or senior standing.

499. Research in Earth Sciences. (0-6-2)

Laboratory and field investigation of a selected research problem and preparation of a written report. Prerequisite: Junior or senior standing.

GEOLOGY (GEO)**300. Principles of Geology. (3-4-5)**

Identification of rocks and minerals; geological processes such as weathering, erosion, glaciation, earthquakes, volcanoes, mountain building, etc. The earth's interior introduction to geologic maps and historical aspects of geology. (May be used as elective units in Civil Technology, Naval Science, and Teacher Education). *Fall and/or Winter quarter*.

310. Mineral Resources. (3-0-3)

A study of formation of various minerals in the earth's environment and mineral deposits. Minerals in relation to soil development, nutrient availability, and topography.

400. Stratigraphy. (3-4-5)

Description and genesis of stratified sedimentary rock units and the tectonic setting. Principles of geologic mapping. Prerequisite: GEO 300.

404. Marine and Environmental Geology. (3-4-5)

Geophysical techniques for exploration of the sea floor. Pelagic and Abyssal plain sediments. Igneous rocks and the structure of the ocean basins. Polar wandering and continental drift. Earth processes. Engineering properties of rocks and soils. Earth resources. Geologic consequences of industrialization. Conservation of Management. Prerequisite: GEO 300. *Winter*.

406. Structural Geology. (2-2-3)

Introductory description of the structural features of rock and their analysis. Deformation of the earth's crust during tectonic and metamorphic activity. Prerequisite: GEO 300 or equivalent.

408. Geomorphology. (2-2-3)

Sculpture of the earth's surface by natural processes. Weathering sequence, erosion and development of soil profile. Surficial processes and the evolution of land forms. Prerequisite: GEO 300 and/or GEO 406.

410. Petrology and Petrography. (3-4-5)

Composition, distribution and origin of rocks. Laboratory examination of common igneous, sedimentary and metamorphic rocks; use of petrographic microscope, study of metamorphic zoning, and physical and mineralogical analysis of sediments. Prerequisite: GEO 300.

430. Introduction to Geophysics. (3-2-4)

Origin of the earth and solar system. Earth's interior and its physical parameters. Geochronology. Heat flow, seismicity, gravity field, magnetic field, and paleomagnetism. Physics of the upper atmosphere. Continental drift. Prerequisite: PHY 202 and GEO 300.

440. Introduction to Geochemistry. (3-2-4)

Chemical principles of geologic processes. Origin and distribution of chemical elements and isotopes in the earth, its waters and atmosphere. Age of the earth and crustal evolution. Phase transformations at pressures and temperatures found in the earth's interior and the surface. Prerequisite: CHE 101-102 and GEO 300. *Spring*.

PHYSICAL SCIENCE (PHS)

203. Physical Science. (3-4-5)

This course is designed to furnish the student with a knowledge of scientific facts and scientific laws pertaining to the physical universe.

204. Physical Geography. (3-4-5)

The Earth in Space, its form, the geographic grid, and map projections. Atmosphere, oceans, ocean tides, and the eclipses, climate, soils and vegetation. Temperature; latitude; Heat budget of the earth. The earth's crust and its relief forms.

PHYSICS (PHY)

201. General Physics. (3-4-5)

An introduction to mechanics and heat. Emphasis is placed upon concepts and the methods used by physicists to understand and correlate physical processes. Students enrolled in this course should have command of algebra and trigonometry. Prerequisite: MAT 107. *Fall*.

202. General Physics. (3-4-5)

Wave phenomena as sound and light are investigated. Prerequisite: PHY 201. *Winter*.

203. General Physics. (3-4-5)

Magnetism, electricity, and some aspects of modern physics (atomistics) are covered. Prerequisite: PHY 201. *Spring*.

306. Advanced Mechanics and Heat. (2-4-4)

Prerequisites: PHY 201 and MAT 213. *Fall*.

307. Illumination and Optics. (2-4-4)

Prerequisite: PHY 202 and MAT 213. *Winter*.

308. Magnetic and Electrical Measurements. (2-4-4)

Prerequisites: MAT 213 and PHY 203.

310. Mathematical Physics. (5-0-5)

Designed to develop an understanding of the concrete relationship between those factors that contribute to various particular phenomena; qualitative and quantitative relationships. Prerequisites: MAT 213 and PHY 201, 202 or 203.

312. Introduction to Electronics. (2-4-4)

Testing basic components of electronic circuits — tubes, transistors, relays, capacitors, inductors, transformers, microphones, etc; constructing and testing radio receivers, transmitters, amplifiers, power supplies, and control apparatus; work with vacuum tube voltmeters, frequency generators, oscilloscopes, tube testers, field strength meters, etc. Prerequisites: Physics 203 and MAT 108.

410. Modern Physics. (4-0-4)

Recent advances in atomic and nuclear physics. Prerequisite: MAT 213 and at least one advanced physics course of four or more quarter hours. *Spring*.

499. Introduction to Research in Physics. (3-0-3)

The student will be introduced to the techniques and procedures used in Physics research problems and initiated in the examination of literature. Prerequisite: Junior standing in Mathematics and Physics and consent of instructor. At least one 300 or 400 level Physics course must have been completed.

AIR TRAFFIC CONTROL

TSC 101-102-103-104. Cooperative Education Seminar. (1-0-1)

(*Elective Credits*) Designed to prepare co-op students in developing a sense of appreciation for co-op work experience. Covers the rudiments of job interviewing, test consciousness and career planning. Prerequisite: Consent of Director, Cooperative Education Program; Acceptance by FAA.

ATC 310. Introduction to Air Traffic Control. (8-2-4)

This course is designed to introduce the student to the science of supervising the airways in order that they are kept safe, orderly and efficient. It also familiarizes the student with equipment and the process involved in Air Traffic Control.

ATC 312. Navigational Science. (15-0-5)

This course is designed to familiarize one with common standards for assistance in Air Traffic Control Systems. The use of computers in the solution of basic navigation programs, aeronautical charts, and pilot techniques. An introduction to use of the Airman's Information Manual and Radio Navigation Aids.

ATC 434. Aviation Meteorology. (15-0-5)

This course is designed to acquaint the student with the atmosphere, because all flying takes place in the atmosphere, so flying and weather are inseparable. The course will deal with each aspect of weather as it relates to aircraft operation and flight safety, i.e., a study of basic concepts of meteorology, temperature, pressure, moisture, stability, clouds, air masses, fronts, thunderstorms, icing and fog. Analysis and use of weather data.

ATC 438. Operating Flight Service Station Positions. (0-12-3)

(Elective Credits) Course will include detail training and knowledge which will enable the student to perform under direct supervision, the duties associated with the following operating positions: Flight Data—copying, distributing, posting of flight data, Teletype — send and receive teletype data, Weather Broadcast — collect, prepare, edit and broadcast record weather data, Coordinator Position — color, post and distribute weather data and charts. Prerequisite: ATC-430, ATC-434.

ATC 316. Control Tower Operator. (12-2-3)

(Elective Credits) Classroom and laboratory study of areas dealing with Air Traffic Control, and successful completion of Control Tower Operator's final examination. CTO consists of seven (7) parts: Air Traffic Control, En-Route Traffic Control, Air Traffic Rules, Flight Assistance Services, Communications, Aviation Weather, and Navigational Aids. Prerequisite: ATC-310, ATC-312.

ATC 321. Introduction to Aeronautical Science. (10-2-5)

This course is designed to continue the study of instrument departure systems and airways, including the theory of flight and elementary aerodynamics.

ATC 323. Computer Theory and Operation for Air Traffic Control Specialist. (15-0-5)

This course is designed to study Emergencies and Flight Assistance Service with a more detail emphasis on the use of the equipment and instrument panels. A study of automation technology including the economics and management policies for the major industrial changes influencing automation planning. Course includes Flight Data Entry Printout, and Automated Radar Tracking Systems and Equipments. Prerequisite: ATC-321.

ATC 325. Flight Data and Clearance Delivery. (0-12-3)

This course is the foundation from which to build a career in Air Traffic Control. Student will be able to copy, interpret, and relay flight data information, and issue airport data through demonstrated use of Automated Terminal Information Service equipment.

ATC 445. Introduction to Radar. (10-2-5)

(Elective Credits) This phase of Air Traffic Control will study the theory of radar, how to recognize radar targets, radar indicator controls, ARTS II, and associated functions. Radar performance characteristics also will be included. This phase will be combined classroom, and actual time with the equipment. Prerequisite: TSC-104.

ATC 447. Aviation Speech and Communication. (5-10-5)

(Elective Credits) The beginning course in speech is designed to give each student the opportunity to study and to practice the principles and methods involved in communication while he participates as a speaker and as a listener. Upon completion of the course, the student should have attained proficiency in the abilities requisite to effective oral communication, emphasizing ATC Phraseology Techniques. Prerequisite: ATC-445.

ATC 449. Ground Control and Local Control. (0-12-3)

(Elective Credits) Both positions will allow the student to perform actual duties under direct supervision. On-the-job training and classroom will teach the student how to sequence, space and issue clearance to aircraft. All aspects of Local Control Procedures.

DEPARTMENT OF ENGINEERING TECHNOLOGY

LESTER B. JOHNSON, JR., *Head*

Venkata S. Anandu
Ernest S. Brown
Clyde W. Hall
Veng S. Kouch

Rex C. Ma
John L. Mason
Raymond D. Schlueter
Barbara Johnston, *Secretary*

The Department of Engineering Technology offers courses leading to the degree of Bachelor of Science, with majors in Civil Engineering Technology, Electronics Engineering Technology, Mechanical Engineering Technology and Process Engineering Technology; and to the degree of Associate of Applied Science, with majors in Chemical Engineering Technology, Civil Technology, Computer Technology, Drafting and Design Technology, Electronics Technology, and Mechanical Technology. The civil, electronics and mechanical engineering technology curricula are accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

The ultimate objective of the engineering technology program is to provide the student with an educational experience that will allow him to succeed as an engineering technologist. This involves keeping the student interested and providing opportunity for him to become skillful in his assimilation of information and techniques. When the student leaves the institution he/she is aware of, and has fixed firmly in his mind, the potential of which he/she is capable.

Engineering technology embraces the physical sciences, mathematics, and the practices and materials of modern industry which are utilized in the design and construction of the machines, structures, highways, power sources, process systems, communication systems, and products needed to maintain a highly technical society. The activities of engineering technology are concerned with translating the concepts and theories of professional engineers and scientists into actual devices and products by using tests to provide data for rational solutions and designs. These tests are followed by interpretations of data and preparation of appropriate plans for use by skilled craftsmen who produce the devices and/or products.

Cooperative Education Program

The Cooperative Education Program is available to students of this department. The program enables students to gain work experience in industry as paid employees during their college tenure. The program is coordinated through the Office of Cooperative Education. The program is available to students who have acquired at least 46 quarter hours; have a satisfactory academic record; and meet the job specifications of the employer.

Students work in industry and attend college during alternate quarters or as arranged by both parties. To remain in the program, they must maintain creditable records at both places. Students must register for the appropriate cooperative education course each quarter they are employed and must observe all applicable regulations of the cooperating company.

Students pursuing the coop program should expect their matriculation to extend beyond four years. The college does not guarantee the availability of coop stations, duties, or compensation. At the conclusion of the coop experience, students are not obligated to accept employment with the cooperating companies and the companies are not obligated to offer them employment.

Students interested in this program should consult with the department head and the cooperative education program director.

BACCALAUREATE DEGREE PROGRAMS

CIVIL ENGINEERING TECHNOLOGY

Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

The curriculum in civil engineering technology is designed to provide ample instruction in those areas of knowledge required for successful performance in the following capacities as well as in other construction related positions.

Architectural and Structural Draftsman and Designer — plans, designs, and supervises construction of frame, steel, and concrete structures; makes architectural inspections and appraisals for architects and builders.

Highway Engineering Technologist — collects and tests soil samples, concrete and other materials to ascertain their physical characteristics for use in highway construction; establishes the location and measurements of points, elevations, lines, areas and contours of land needed for highway construction and prepares hard copy or rough draft drawings of same.

Estimator — determines quantities and costs of materials and labor required to erect structures.

Materials Tester — determines mechanical properties of materials used in the erection of structures and highways.

Surveyor — supervises, directs, and is responsible for the accuracy of the work of an engineering survey party engaged in determining the location and measurements of points, elevations, lines, areas, and contours on the earth's surface for purposes of securing data for building and highway construction, mapmaking, land valuation, mining, or other purposes.

ELECTRONICS ENGINEERING TECHNOLOGY

Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology

The electronics engineering technology curriculum provides instruction in the fundamentals of modern electronics theory, with emphasis on the application of theoretical principles to actual electronic devices, circuits and systems. Graduates of the electronics technology sequence are prepared to function in these positions.

Research and Development Technologist — engages in the development, building and testing of new equipment in the areas of digital electronics, communication electronics and guidance systems.

Process Control Technologist — supervises the operation of automatic control equipment for industrial processes.

Field Engineering Specialist — installs, tests, and maintains equipment such as data processing machines and other electronic systems.

High Frequency Technologist — maintains and/or operates radar, sonar, and other warning detection and navigation devices.

MECHANICAL ENGINEERING TECHNOLOGY

Accredited by the Technology Accreditation Commission of the Accreditation Board for Engineering and Technology.

The mechanical engineering technology curriculum provides an opportunity for a student to receive comprehensive engineering experience which will enable him to design machinery, test materials and supervise production and engineering projects. A graduate of the mechanical engineering technology program is qualified to assume the responsibilities of these positions:

Machine Designer — designs machines and instruments for industry.

Mechanical Engineering Technologists — works with mechanical engineers on design and production projects.

Quality Control Supervisor — supervises incoming materials and outgoing products as well as manages personnel to assure quality.

Project Supervisor — manages technical personnel and materials to implement engineering projects.

Systems Test Technologist — participates in testing systems to determine if they meet design specifications.

PROCESS ENGINEERING TECHNOLOGY

The curriculum for Process Engineering Technology has been designed to provide an opportunity for those students who have pursued the Associate Degree program in Chemical Engineering Technology, a broader learning experience that encompasses unit design, process instrumentation, electrical/electronics systems and other related subjects which are not components of the Associate Degree program.

With the competencies gained by this learning experience, the process engineering technologist can work with varied professionals in the chemical or other related industry as plant operators, process supervisors, quality control specialists, research associates or instrumentation specialists. They may be also employed in the petroleum and petro-chemical, metallurgical, coal conversion, and nuclear generation industry.

CIVIL ENGINEERING TECHNOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

*Mathematics 108-109	10 hours
Physics 201-202	10 hours

Area III — Social Sciences: 20 hours required	
History 101-102	10 hours
Political Science 200	5 hours
Psychology 201 or Economics 200	5 hours
Area IV — Courses Appropriate to the Major: 30 hours required	
Engineering Technology 101-102	10 hours
Mathematics 212-213-250	15 hours
Chemistry 101	5 hours
Additional Requirements:	
Physical Education	6 hours
General Education 101	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 97 quarter hours	
Major Requirements: 88 quarter hours	
Civil Engineering Technology 203, 211, 212, 213, 303, 311, 313, 400, 401, 402, 403, 411, 412, 413, 421, 423	67 hours
Engineering Technology 202, 203, 223, 302, 321, 322	21 hours
General Electives	9 hours

ELECTRONICS ENGINEERING TECHNOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours	
Area I — Humanities: 20 hours required	
English 107-108-109	15 hours
Humanities 232	5 hours
Area II — Mathematics and Natural Sciences: 20 hours required	
*Mathematics 108-109	10 hours
Physics 201-202	10 hours
Area III — Social Science: 20 hours required	
History 101, 202	10 hours
Political Science 200	5 hours
Psychology 201 or Economics 200	5 hours
Area IV — Courses Appropriate to the Major: 30 hours required	
Engineering Technology 101-102	10 hours
Mathematics 212-213-250	15 hours
Chemistry 101	5 hours
Additional Requirements:	
Physical Education	6 hours
General Education 101	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 97 quarter hours	
Major Requirements: 87 quarter hours	
Electronics Engineering Technology 103, 201, 202, 203, 213, 301, 302, 311, 313, 322, 323, 400, 401, 412, 431	74 hours

Engineering Technology 223, 302, 322	8 hours
Mathematics 214	5 hours
General Electives	10 hours

MECHANICAL ENGINEERING TECHNOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

*Mathematics 108-109	10 hours
Physics 201-203	10 hours

Area III — Social Science: 20 hours required

History 101-202	10 hours
Political Science 200	5 hours
Psychology 201 or Economics 100	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Engineering Technology 101-102	10 hours
Mathematics 212-213-250	15 hours
Chemistry 101	5 hours

Additional Requirements:

Physical Education	6 hours
General Education 101	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 97 quarter hours

Major Requirements: 94 hours as specified

Mechanical Engineering Technology 222, 223, 233, 302, 303, 312, 322, 323, 331, 400, 401, 402, 423, 431, 432	69 hours
Engineering Technology 202, 203, 223, 302, 312, 321, 322	25 hours
General Electives	3 hours

PROCESS ENGINEERING TECHNOLOGY CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

*Mathematics 108-109	10 hours
Physics 201-203	10 hours

Area III — Social Science: 20 hours required

History 101-200	10 hours
Political Science 200	5 hours
Psychology 201 or Economics 100	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Engineering Technology 101-102	10 hours
Mathematics 212-213-250	15 hours
Chemistry 101	5 hours

Additional Requirements:

Physical Education	5 hours
General Education	2 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 103 quarter hours

Major Requirements: 98 hours as specified

Chemistry 102, 103, 307, 308, 401, 402	28 hours
Process Engineering Technology 101, 201, 202, 301, 401, 402, 403, 411, 412, 413	39 hours
Engineering Technology 223, 302, 303, 322, 331, 332-333	17 hours
Electronics Engineering Technology 103, 201	9 hours
Mathematics 214 or 404	5 hours
General Electives	5 hours

MAJOR COMPREHENSIVE EXAMINATION

To satisfy the institutional requirements for the comprehensive examination, all students in engineering technology are required to take an examination administered by the department.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN TECHNOLOGY

This is a two-year program sponsored jointly with the Savannah Area Vocational-Technical School to combine the specialized technical development of the vocational-technical school with the general education curriculum of the College for the purpose of producing well qualified, employable technicians.

The program comprises four specific areas: Civil Technology; Drafting and Design Technology; Electronics Technology; and Mechanical Technology. Each curriculum requires 100 quarter hours for the degree. Fifty-five quarter hours are to be completed at Savannah State College and 45 quarter hours credit will be awarded for course work completed in the technical areas at the Savannah Area Vocational-Technical School. A maximum of 25 quarter hours of general education may be transferred from another approved college.

Students may be concurrently enrolled at both institutions or they may complete the required work at either institution before enrolling at the other. Participants will be governed by admissions requirements and all applicable academic regulations of the College and the Vocational-Technical School.

Each Associate of Applied Science degree program will include the following courses:

GED 100 Student Life	2 hours
ENG 107-108-109 English Communicative Skills	15 hours
*MAT 108 College Algebra & Trigonometry	5 hours
MAT 109 Plane Analytic Geometry	5 hours
PHY 201-202 or 203 General Physics or	
CHE 101-102 General Chemistry	10 hours
HIS 101 or 102 History of World Civilizations	5 hours
PSC 200 Government	5 hours
TSC 322 Technical Sciences Seminar	1 hour
TSC 223 Technical Writing	2 hours
PED Physical Education	3 hours
Electives	2 hours
TOTAL	55 hours

Technical courses taken at the Vocational-Technical School may be substituted for specified courses in each curriculum for those students who wish to seek a Bachelor of Science degree in Engineering Technology after completing the cooperative program.

MATHEMATICS MINOR

Students majoring in civil, electronics, or mechanical engineering technology may obtain a minor in mathematics by taking MAT 214 and 404 in addition to the required mathematics sequence.

ELECTRONICS-PHYSICS MINOR

Students majoring in mathematics may obtain an electronics-physics minor by taking EET 201-202-203 in addition to PHY 201-202 and 203.

DUAL DEGREE PROGRAM

Savannah State College has entered into an agreement with Georgia Institute of Technology to offer a Dual Degree Program whereby undergraduate students can attend this institution for approximately three academic years and the latter institution for approximately two academic years and receive baccalaureate degrees from both institutions. This program is open to majors in chemistry, mathematics, and civil, electronics, and mechanical engineering technology, it is coordinated by the Head of the Department of Engineering Technology.

Bachelor's degrees offered at Georgia Institute of Technology as a part of this program are in aerospace engineering, ceramic engineering, chemical engineering, civil engineering, electrical engineering, engineering economic systems, engineering science, industrial engineering, mechanical engineering, nuclear engineering, science in textile chemistry, science in textiles, and textile engineering.

*Students whose score on the mathematics section of the SAT is less than 400 must take the prerequisite course for MAT 108 or pass the MAT 107 Exemption Examination.

In order for a student to become a dual degree candidate at Georgia Institute of Technology, he must have:

- 1. A college grade point average and specific test results which would indicate that he could satisfactorily complete the degree requirements at Georgia Institute of Technology.
- 2. A recommendation from the Head of the Engineering Technology Department.
- 3. Completed 145-150 quarter hours at Savannah State College in the below listed courses according to his major.

GENERAL REQUIREMENTS

ENG 107-108-109 English Communicative Skills	15
HMN 232 Introduction to the Humanities	5
HIS 101-102 History of World Civilizations	10
HIS 202 History of United States	5
PSC 200 Government	5
CHE 101-102 General Inorganic Chemistry I-II	10
PHY 306 Advanced Mechanics and Heat	5
PHY 307 Illumination and Optics	5
PHY 308 Magnetic and Electrical Measurements	5
MAT 212-213-214 Analysis I-II-III	15
MAT 404 Differential Equations	5
ENT 202 Statics	5
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Total	90

CIVIL ENGINEERING TECHNOLOGY MAJOR

ENT 101-102 Engineering Drawing I-II	10
ENT 203 Dynamics	3
ENT 321 Strength of Materials	5
MET 312 Stress Analysis	5
CET 211-212 Surveying I-II	9
CET 302 Construction Management	5
CET 401 Construction Estimating	3
ENT 223 Technical Writing	2
ENT 322 Engineering Technology Seminar	1
MAT 108 College Algebra and Trigonometry II	5
MAT 250 Computer Programming I	5
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Total	58

ELECTRONICS ENGINEERING TECHNOLOGY MAJOR

ENT 101-102 Engineering Drawing I-II	10
EET 103 Direct Current Circuits	4
EET 201-202 Alternating Current Circuits I-II	10
EET 203-301 Electronic Principles I-II	10
EET 213 Electrical Machinery	5
EET 302 Electronic Circuits	5
EET 311-322 Digital Circuits I-II or	
MAT 250 Computer Programming	10
MAT 108 College Algebra and Trigonometry II	5
ENT 223 Technical Writing	2
ENT 322 Engineering Technology Seminar	1
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Total	57

MECHANICAL ENGINEERING TECHNOLOGY MAJOR

ENT 101-102 Engineering Drawing I-II	10
ENT 203 Dynamics	3
ENT 321 Strength of Materials	5
MET 222 Metallurgy	5
MET 312 Stress Analysis	5
MET 223 Metal Machining Processes	5
MET 322 Metal Casting and Welding	5
MET 323 Materials and Processes	5
MAT 108 College Algebra and Trigonometry II	5
ENT 223 Technical Writing	2
ENT 322 Engineering Technology Seminar	1
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Total	56

CHEMISTRY MAJOR

MAT 107-108 College Algebra and Trigonometry II	10
CHE 103 General Inorganic Chemistry III	5
CHE 303-304 Analytical Chemistry I-II	10
CHE 305 Instrumental Methods of Analysis	4
CHE 307-308 Organic Chemistry I-II	10
CHE 309 Qualitative Organic Analysis	5
CHE 313-409-410 Organic Preparation	4
GER 151-152 Elementary German	10
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Total	58

MATHEMATICS MAJOR

MAT 107-108 College Algebra and Trigonometry I-II	10
MAT 217 Introduction to Probability and Statistics	5
MAT 315-316 Modern Algebra I-II	10
MAT 318 Advanced Probability and Statistics	5
MAT 250 Computer Programming	5
MAT 320 Theory of Equations	5
Elementary French, German or Spanish	15
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Total	55

THE REGULAR ASSOCIATE DEGREE PROGRAMS

CHEMICAL ENGINEERING TECHNOLOGY

The chemical engineering technician is a person whose education and training enables him/her to work with the professional chemist or chemical engineer in a variety of positions in the chemical industry. These technicians are able to find employment as a pilot plant operator and are able to assist in the design, fabrication, assembly, operation, testing and analysis of a new process, a plant, or a research unit.

The chemical engineering technician is also capable of performing qualitative and quantitative chemical analysis in the laboratory as well as instrumental analysis in special fields. Because of their training, the technician can bridge the gap between the chemist and the chemical engineer in the flow pattern between the glassware stage and pilot system stage.

FRESHMAN YEAR CURRICULUM:

Requirements: 53 quarter hours

English 107-108	10 hours
Mathematics 108-109-212	15 hours
Chemistry 101-102-103	15 hours
Engineering Technology 101-223	7 hours
Process Engineering Technology 101	1 hour
Physical Education	3 hours
General Education 101	2 hours

SOPHOMORE YEAR CURRICULUM:

Requirements: 49 quarter hours

Mathematics 213-250	10 hours
Chemistry 307-308	10 hours
Physics 201-203	10 hours
Electrical Engineering Technology 103	4 hours
Engineering Technology 302-322	6 hours
Process Engineering Technology 201-202	9 hours

COMPUTER TECHNOLOGY

This program is designed to prepare technicians for the expanding opportunities available in the digital computing field. The program emphasizes electronic and electromechanical aspects of digital computing systems. Graduates are prepared for employment opportunities in the installation and maintenance of digital equipment, application of computers to industrial control and data acquisition, and development of new devices, systems and test equipment.

FRESHMAN YEAR CURRICULUM:

Requirements: 53 quarter hours

English 107-108	10 hours
Mathematics 108-109-212-200-250; 251 or 264	28 hours
Engineering Technology 101-223	7 hours
Electrical Engineering Technology 103	4 hours
General Education 101	2 hours
Physical Education	2 hours

SOPHOMORE YEAR CURRICULUM:

Requirements: 55 quarter hours

Mathematics 360	5 hours
Electrical Engineering Technology 201-202-311-322-323	25 hours
Computer Technology 203-211-212-213	14 hours
Engineering Technology Seminar 322	1 hour
Political Science 200	5 hours
History 202	5 hours

ELECTRONICS-PHYSICS MINOR

Students enrolled in the School may obtain an electronics-physics minor by taking EET 311, 322, 323 and PHY 306, 307, 308 and 499.

MATHEMATICS MINOR

Students majoring in engineering technology may obtain a minor in mathematics by taking MAT 214 and 404 in addition to the required mathematics sequence.

ASSOCIATE OF APPLIED SCIENCE DEGREE IN TECHNOLOGY

The department has two types of associate degree programs. One is a jointly sponsored program with the Savannah Area Vocational-Technical School and the other a typical two year program.

THE COOPERATIVE ASSOCIATE DEGREE PROGRAM

This is designed to combine the specialized technical development of the vocational-technical school with the general education curriculum of the College for the purpose of producing well qualified, employable technicians.

The program comprises four specific areas: Civil Technology; Drafting and Design Technology; Electronics Technology; and Mechanical Technology. Each curriculum requires 100 quarter hours for the degree. Fifty-five quarter hours are to be completed at Savannah State College and 45 quarter hours credit will be awarded for course work completed in the technical areas at the Savannah Area Vocational-Technical School. A maximum of 25 quarter hours of general education may be transferred from another approved college.

*Students whose score on the mathematics section of the SAT is less than 400 must take the prerequisite course for MAT 108 or pass the MAT 107 Exemption Examination.

Students may be concurrently enrolled at both institutions or they may complete the required work at either institution before enrolling at the other. Participants will be governed by admissions requirements and all applicable academic regulations of the College and the Vocational-Technical School.

Each cooperative program will include the following courses:

GED 101 Student Life I	2 hours
ENG 107-108-109 English Communicative Skills	15 hours
*MAT 108 College Algebra & Trigonometry	5 hours
MAT 109 Plane Analytic Geometry	5 hours
PHY 201-202 or 203 General Physics or	
CHE 101-102 General Chemistry	10 hours
HIS 101 or 102 History of World Civilizations	5 hours
PSC 200 Government	5 hours
ENT 322 Engineering Technology Seminar	1 hour
ENT 223 Technical Writing	2 hours
PED Physical Education	3 hours
Electives	2 hours
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TOTAL	55 hours

Technical courses taken at the Vocational-Technical School may be substituted for specified courses in each curriculum for those students who wish to seek a Bachelor of Science degree in Engineering Technology after completing the cooperative AAS degree program.

DESCRIPTION OF COURSES

ENGINEERING TECHNOLOGY (ENT)

101. Engineering Drawing. (3-7-5)

A study of drawing instruments, lettering, applied geometry, orthographic projection, auxiliary views, sectioning, dimensions. *Fall, Winter.*

102. Engineering Drawing II. (3-7-5)

Pictorial drawings, intersections and developments; and drawings related to each program. Prerequisite: ENT 101. *Winter, Spring.*

103-4. Engineering Drawing Problems. (3-7-5)

Topics in engineering drawing are studied on an individual basis. Each course may be substituted for ENT 101, or 102. *Summer.*

110. Practical Woodworking. (1-2-3)

This course is designed to provide the concepts of design, planning and construction of small projects. Instruction will be provided in general repairing, use and care of tools, and selection of suitable materials. Basic finishing and refinishing techniques will be demonstrated. *Offered on demand.*

200. Consumers' Automotive Maintenance. (1-2-2)

Designed with the consumer in mind, and to provide information that will allow students to perform various functions that will help ensure a properly maintained automobile. Prerequisite: Ownership of or access to an automobile. *Offered on demand.*

202. Statics. (5-0-5)

A study of the mechanics of rigid bodies in equilibrium. Analysis of forces and moments in two and three dimensional systems and moment of inertia of areas will be studied and applied to engineering problems. Prerequisite: MAT 108, ENT 102.

203. Dynamics. (3-0-3)

A study of kinematics, kinetics, energy, power, momentum, and periodic motion. Prerequisite: ENT 202. *Spring*.

214. Radio Operator's Licensing. (5-0-5)

Designed to provide students with the technical knowledge and regulation requirements for obtaining a FCC third class license with broadcast endorsement. Familiarization with the operation of citizen band (CB) radios and its accessories is also included. Prerequisite: ENG 107. *Offered on Demand*.

223. Technical Writing. (2-0-2)

Designed to develop skills in writing technical reports, and research papers; illustrating technical data; making oral presentations; and participating in group communications. Prerequisite: ENG 109. *Fall, Spring*.

241. Introduction to Power. (3-4-5)

A brief study of the sources of electrical power production and transmission devices with emphasis on methods of energy conservation. This includes the study of (1) nuclear energy, solar energy and conventional power plants; (2) single and three phase transformers and power distribution systems; (3) the principles of heating, cooling and heat loss of enclosures, including modern day trends of energy conservation. Prerequisite: EET 103, ENT 312 or IAE 312, MAT 108.

302. Engineering Economy. (5-0-5)

Techniques for comparing alternatives by the use of engineering methods of analysis, applied economics and accounting. Economic considerations include the impact of taxes, methods of depreciation, and forecasting of cost-benefits of alternate methods on a present-value basis. Prerequisite: ECO 200, or PSY 201, MAT 108.

303. Engineering Materials. (3-3-3)

Introduction to mechanical properties of engineering materials including metals, alloys, ceramics, plastics, rubbers, and composites. Description and measurement of physical, chemical, and structural characteristics affecting strength of materials in service. Application of materials selection in design of systems and processes. Prerequisites: CHE 103, PHY 203, ENT 101. *Spring*.

312. Electrical Power. (3-2-4)

Industrial applications of electrical power. AC-DC principles and their applications in motors; generators and transformers; electrical controls and auxiliary equipment including solid state devices; electrical lighting; and electrical power surveying. *Fall*.

321. Strength of Materials. (3-4-5)

A study of loading diagrams, force fields, stress, strain, elastic constants and deflection. Prerequisites: MAT 213, ENT 202. *Fall.*

322. Engineering Technology Seminar. (1-0-1)

Covers a wide range of theory, techniques and application as related to the respective technical programs. Lectures by authorities in various fields and industrial tours are scheduled in order to stimulate interest in the respective fields. *Winter.*

331. Instrumentation I. (2-0-2)

An introductory course dealing with the fundamentals and techniques of the measurement of basic industrial parameters of heat, pressure, and flow. Prerequisites: PET 201, 202. *Fall.*

332. Instrumentation II. (2-0-2)

This course deals with the techniques of measurement of level, calorimetry, vicometry, density, and chemical reaction. Aspects of the theory of measurement are discussed and applied to problem solving. Prerequisites: ENT 331. *Winter.*

333. Instrumentation III. (0-4-2)

This is a laboratory course which permits the student to perform instrument calibrations (pressure, temperature, flow, etc.) and to fabricate specific test units, such as thermocouples, resistance thermometers, and special devices. Measurement of various parameters will be made in the laboratory under simulated industrial conditions and environment. Prerequisites: ENT 332. *Spring.*

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered at another time. Always consult your advisor.

CIVIL ENGINEERING TECHNOLOGY (CET)

All courses require the completion of MAT 108 and ENT 102 in addition to the listed prerequisites.

203. Construction Management. (5-0-5)

This course will enhance the student's understanding of construction management, including the interrelated roles of human relations, management control systems, finance information systems, engineering systems and construction techniques. Topics on planning, scheduling and expediting will be covered, including CPM and PERT. Prerequisite: MAT 108.

211. Surveying I. (2-6-5)

A study of surveying instruments; measurements of distances, elevations, angles, and directions; differential and profile leveling; calculating land areas. Prerequisite: ENT 102, MAT 108. *Fall.*

212. Surveying II. (3-2-4)

A study of land, route, and construction surveying. Prerequisite: CET 211. *Winter.*

213. Highway Engineering. (3-4-5)

A study of the fundamentals of highway design including highway layout, foundations and pavements; grade intersections and separations; traffic requirements. Prerequisites: CET 212, 411. *Spring.*

303. Hydraulics. (3-2-4)

The analysis and design of hydraulic works, fluid properties, hydrostatic pressure, fluid motion, analysis of pipe flow, pipe systems, uniform flow in channels, pumps and turbines, and hydraulic models. Prerequisite: ENT 202. *Spring*.

306. Problems in Civil Engineering Technology I. (5-0-5)

Topics and problems of special interest will be studied on an individualized basis. Can be substituted for a civil engineering technology course or elective at the discretion of the department head. Prerequisite: MAT 109 and consent of instructor. *Summer*.

311. Transportation Systems. (3-0-3)

The study of locating and designing highways, railways, waterways and other transportation modes. Emphasis will be placed on the linkage of these modes for the effective and economic movement of people, materials, and equipment. Prerequisite: CET 212.

313. Urban Planning and Design. (3-4-5)

This course will provide instructions in the planning and spatial design of urban development with special attention to the aesthetic, functional and environmental factors. Prerequisites: ENT 302, CET 212.

323. Advanced Surveying. (3-4-5)

This course will provide instruction in the areas of coordinate systems, field astronomy, aerial photogrammetry and the legal aspects of surveying. Prerequisite: CET 212.

400. Senior Design Project. (1-8-5)

The student correlates all previous information studied, and conceives, designs and develops the drawings, specifications, and estimate for an approved structure. Prerequisites: CET 401, 412. *All quarters*. Senior standing.

401. Construction Estimating. (2-2-3)

A study of the mathematical techniques used to estimate the cost of the equipment, labor, and materials involved in constructing highways and buildings. Emphasis is also placed on the study of codes, contracts, specifications, and the bidding process. Prerequisite: CET 203.

402. Municipal Engineering. (3-4-5)

A study of sources, collection, treatment, and distribution of municipal water and sewage systems. Course content includes water chemistry, network analysis, sanitary and storm water sewer design, and related topics. Prerequisite: CET 303.

403. Environmental Engineering. (3-0-3)

A survey course which emphasizes a practical approach to solving environmental problems by integrating the subject matter of the total curriculum into the solution. Emphasis is placed on the relationship of engineering technology projects to the environment and the effect of one upon the other. Prerequisite: CET 303 or consent of instructor. *Spring*.

406. Problems in Civil Engineering Technology II. (5-0-5)

See CET 306.

411. Soil Mechanics. (2-4-4)

A study of the theory of soil mechanics as applied to permeability, consolidation, shear strength, and unconfined compression. Atterberg limits, compaction tests, specific gravity, grain size, and classification of soils. Prerequisite: CHE 101. *Fall.*

412. Reinforced Concrete Design. (3-4-5)

Scientific principles and drafting room practices involved in designing reinforced concrete structures. *Winter.*

413. Foundation Design. (3-0-3)

The application of the principles of soil mechanics and structural theory to the analysis, design, and construction of foundations for engineering works will be studied. Emphasis will be placed on the soil engineering aspects of soil-structure interaction as well as soil bearing capacity and settlement, spread footings, pile and caisson foundations, retaining structures, and substructure elements. Prerequisite: CET 411.

421. Steel and Timber Structures. (3-4-5)

A study of structural design procedures utilizing latest design methods according to building codes. The complete design of structures in steel and in wood, from conception to working drawings, is required as an integrative project. Prerequisite: ENT 202, 203, 321.

423. Structural Analysis. (3-0-3)

An introduction to the theory of statically indeterminate structures. Course content includes unit load, moment distribution, space frames, influence lines, graphic statics, slope deflection, and elementary plastic analysis. Prerequisite: ENT 202, 203, 321.

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered at another time. Always consult your advisor.

ELECTRONICS ENGINEERING TECHNOLOGY (EET)

All courses require the completion of MAT 108 and ENT 102 in addition to the listed prerequisites.

103. Direct Current Circuits. (3-2-4)

An introductory DC-circuits course dealing with Ohm's law, Kirchoff's voltage and current laws, superposition theorem, maximum power transfer theorem, Thevenin's and Norton's theorems. Laboratory activities familiarize students with the use of analog and digital multimeters, DC power supplies and photographic equipment used for the fabrication of printed circuit boards. Prerequisite: MAT 108, ENT 101. *Spring.*

201. Alternating Current Circuit Analysis I. (3-4-5)

An introduction to electric and magnetic fields, meter construction, capacitance, inductance, time constants and the use of phasor notation for calculating AC circuit voltage, current and impedance. Laboratory activities include the operation of function generators, counters and oscilloscopes. Prerequisite: EET 103, MAT 109. *Fall.*

202. Alternating Current Circuit Analysis II. (3-4-5)

A continuation of AC circuit theory, AC power, network theorems, resonance, transformers and Fourier series. Students are introduced to the use of the spectrum analyzer and digital computer in the laboratory. Prerequisite: EET 201, MAT 109. *Winter.*

203. Electronic Principles I. (3-4-5)

A study of basic theory and applications of semiconductor devices. Rectifier clipper and clamper circuits, transistor biasing circuits and introduction to class A amplifiers. Prerequisite: EET 202, MAT 212. *Spring.*

213. Electrical Machinery. (4-2-5)

A study of 3 phase power distribution systems, transformers, DC and AC motors and generators. Prerequisite: EET 202, MAT 212. *Spring.*

301. Electronic Principles II. (3-4-5)

Continuation of EET 203. AC equivalent circuits of transistors, input and output impedance of voltage amplifiers. Class A, class B and class C power amplifier circuits. Prerequisite: EET 203, MAT 213. *Fall.*

302. Electronic Circuits. (3-4-5)

A study of JFET, MOS and BJT circuits, integrated circuits and operational amplifiers. Prerequisite: EET 301, MAT 213. *Winter.*

304. Special Problems in Electronics I. (3-4-5)

Topics and problems of special interest will be studied on an individualized basis. Can be substituted for an electronics engineering technology course or elective at the discretion of the department head. Prerequisites: MAT 212, EET 103 and consent of instructor. *Summer.*

311. Digital Circuits I. (3-4-5)

A study of the fundamentals of digital electronics, including number systems, codes, Boolean algebra, logic gates, adders and multivibrators. Prerequisite: EET 202, 203, MAT 213, MAT 250. *Fall.*

313. Communication Electronics. (4-2-5)

A study of basic theory, devices, circuits and systems for the generation, processing and receiving of communication signals, including AM, FM, Single Side Band, and Pulse Modulation. Prerequisite: EET 301, 302, MAT 214. *Spring.*

322. Digital Circuits II. (3-4-5)

Continuation of EET 311. A study of counters, shift registers, input-output devices, D/A and A/D conversion, memories and arithmetic circuits. Prerequisite: EET 301, 311, MAT 214, MAT 250. *Winter.*

323. Microcomputer Systems. (3-4-5)

Analysis of basic microprocessor and microcomputer systems, including bus structure, address decoding, memory, I/O and peripheral devices. Programs are written in machine language. Prerequisite: EET 311, 322, MAT 214, MAT 250. *Spring.*

341. DC and AC Machines. (4-2-5)

Introduction to DC machines, three-phase induction machines, synchronous machines, and single-phase machines. Three phase transmission systems, including power measurements, transients and system stability. Prerequisite: ENT 241, or EET 201, MAT 213.

400. Senior Design Project. (1-8-5)

The student correlates all previous information studied, and conceives, designs and fabricates or evaluates an approved electronic project. A written technical report is required. Prerequisite: EET 323, 401, 431 and senior standing. *Winter, Spring.*

401. Network Analysis. (5-0-5)

Frequency domain analysis of audio amplifiers, active and passive filters using Laplace transformations and Bode plots. Introduction to circuit analysis using digital computers. Prerequisite: EET 203, EET 302, MAT 214. *Fall.*

402. Industrial Electronics. (3-4-5)

A study of the necessary background for understanding the concept and utilization of various electronics devices, circuit and system which are essential in industrial control and automation. Prerequisites: EET 311, EET 401, MAT 214. *Winter.*

404. Special Problems in Electronics II. (5-0-5)

See EET 304. *Summer.*

431. Transmission Lines and Microwaves. (4-2-5)

A study of transmission lines, transmission line charts, impedance matching, guides, resonant cavities and microwave tubes. Prerequisite: MAT 214, EET 301. *Fall.*

EET 441. Static Motor Control Systems. (3-4-5)

A study of the fundamentals of control and drive circuits used to alter the speed of AC and DC machines, including incremental and positional control circuits. Laboratory exercises cover the use of the basic AND, OR and NOT circuits, Solid State Relays, Memory Devices, Adjustable Time Delays, and Microcomputers. Prerequisite: EET 341 or EET 323, MAT 213, 250.

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered at another time. Always consult your advisor.

MECHANICAL ENGINEERING TECHNOLOGY (MET)

All courses require the completion of MAT 108 and ENT 102 in addition to the listed prerequisites.

222. Metallurgy. (3-4-5)

A study of metals, alloys and their properties. Instruction will include heat treatment, metallography and phase diagrams. Prerequisite: CHE 101. *Winter.*

223. Metal Machining Processes. (2-6-5)

A study of lathes, milling machines, shapers, drill presses, grinders and other machine tools. Prerequisite: ENT 102. *Spring.*

233. Fluid Mechanics. (3-4-5)

A study of hydrostatics, viscosity, dimensional constants and the fluid flow in pipes. Prerequisite: ENT 202. *Spring.*

302. Kinematics. (2-4-4)

Graphical and analytical methods are used to determine displacements, velocities and accelerations in mechanisms. Prerequisites: ENT 203. *Winter.*

303. Dynamics of Machinery. (2-4-4)

A study of forces acting on the parts of a machine and the motion resulting from these forces. Prerequisites: MET 302. *Spring.*

305. Problems in Mechanical Engineering Technology I. (5-0-5)

Topics and problems of special interest will be studied on an individualized basis. Can be substituted for a mechanical engineering technology course or elective at the discretion of the department head. Prerequisites: MAT 109 and consent of instructor. *Summer.*

312. Stress Analysis. (3-4-5)

Theoretical and experimental study of one and two dimensional stress analysis of beams, cylinders, etc., subjected to axial, bending or torsional forces. Prerequisite: ENT 321. *Winter.*

322. Metal Casting and Welding. (2-6-5)

A study of various casting and joining techniques and their metallurgical effects on a variety of metals. Prerequisite: MET 222. *Winter.*

323. Material and Processes. (3-4-5)

A study of the material manufacturing processes of steel, cast iron, aluminum, copper, plastics and ceramics as well as the various forming processes. Prerequisite: MET 222. *Spring.*

331. Thermodynamics. (5-0-5)

A study of the fundamental principles of extracting energy from working fluids. Prerequisite: MAT 213, CHE 101. *Fall.*

400. Senior Design Project. (1-8-5)

A hands-on design project aimed at putting the knowledge gained from the study of the machine design courses into reality. Prerequisite or corequisite: MET 402 and Senior standing.

401. Machine Design I. (2-4-4)

A study of failure criteria, due to static and fatigue loading, and the design of screws shafts. Prerequisite: ENT 102, MET 312, MET 303. *Fall.*

402. Machine Design II. (2-4-4)

The design of springs, bearings, gears, belts, clutches, brakes and connections. Prerequisite: MET 401. *Winter.*

405. Problems in Mechanical Engineering Technology II. (5-0-5)

See MET 305. *Summer.*

423. Industrial Engineering. (4-0-4)

An introduction to industrial systems, plant layout, material handling and packaging, production and quality control, time and motion studies and other related topics. Prerequisite: MET 323 or consent of instructor. *Spring.*

431. Heat Transfer. (3-4-5)

An introduction to heat conduction, convection and radiation and its applications to engines, heat exchangers, air conditioning and refrigeration systems. Prerequisite: MET 233, MET 331. *Fall.*

432. Mechanical Power. (2-4-4)

A study of various types of internal and external combustion engines, including their thermal efficiencies, engine ratings, performance parameters, engine design and construction. Prerequisite: MET 331. *Winter.*

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered during another quarter. Always consult your advisor.

TECHNICAL SCIENCES (TSC)

101. Cooperative Education Seminar. (1-0-1)

Designed to prepare co-op students in developing a sense of appreciation for co-op work experience. Covers the rudiments of job interviewing, test consciousness and career planning. *All quarters.*

202-300-301-400. Cooperative Education Work Experience. (0-0-5)

Student works full-time in industry under the supervision of the Director of Cooperative Education. Each course has specific written requirements. *All quarters.*

405-406-407. Cooperative/Internship Experience. (0-0-5)

Provided to accommodate students experiencing summer internships provided by the College as well as those students enrolled in the Cooperative Program. It may be substituted for TSC 202, 300, 301 or 400. *Summer.*

COMPUTER TECHNOLOGY (CPT)

All courses require the completion of ENT 102 and MAT 212 in addition to the listed prerequisites.

203. Principles of Computer Electronics. (3-4-5)

This course will emphasize the theory and application of unipolar and bipolar devices, rectifier circuits, filters and basic amplifier configurations. Prerequisites: MAT 360, EET 202, 322, CPT 212. Corequisites: EET 323, CPT 213. *Spring.*

211. Operating Systems I. (1-4-3)

The study of the functional operations of computer peripherals of the variety of types. Included in the course will be the study of processor/peripheral control dialogue and data transfer. Practice in electromechanical alignment and trouble shooting techniques will be included. Prerequisites: MAT 250, EET 103. Co-requisites: EET 201, 311. *Fall.*

212. Operating Systems II. (1-4-3)

A study of the interrelationships of hardware and software. Emphasis will be placed on determining software and hardware failures. Instruction will be given in the use of diagnostic programs to identify and isolate failing devices or subsystem. The proper techniques for making satisfactory repairs will be demonstrated. Prerequisites: EET 201, 311, CPT 211, MAT 250. Corequisites: EET 202, 322, MAT 360. *Winter.*

213. Operating Systems III. (1-4-3)

A study of the interrelationships of software and hardware at the system level. The use of operating systems as well as customer software to debug hardware generated faults in the compiler system will also be included. Prerequisites: EET 202, 311, CPT 212, MAT 360. Corequisites: EET 323, CPT 203. *Spring.*

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered at another time. Always consult your advisor.

PROCESS ENGINEERING TECHNOLOGY (PET)

101. Introduction to Chemical Engineering Technology. (1-0-1)

This course is designed to acquaint the students enrolled in the Chemical Technology and Process Engineering Technology programs an overview of the chemical, petroleum, pharmaceutical, food processing, and other allied industries which would employ graduates of both curricular. Speakers from the various industries will present information about the types of positions and responsibilities of these positions. *Winter.*

201. Process Operations. (5-0-5)

An introductory course in the study of materials and energy balances in relation to industrial processes. Included are a study of units, measurement systems, thermochemistry, and the first law of thermodynamics. The first principles of SI units, decimal, and English measurement systems are presented for application to problem solving in areas of chemical process, and the handling of multiple by-pass and recycle streams. Prerequisites: MAT 212, PET 101, CHE 103. *Fall.*

202. Transport Phenomena I. (3-3-4)

This course will acquaint the student with the first principles of the flow of mass and energy. Study topics will include types of plant equipment used in process operations and the theoretical concepts of fluids and fluid-flow, mixing, and energy flow by convection as well as conduction. Prerequisites: MAT 213, PET 201. *Winter.*

301. Transport Phenomena II. (3-3-4)

This course is a continuation of PET 202 and deals with simultaneous mass and heat transfer. Included are the studies of equilibria, heat, and material balances for the operation of stage-wise processes, including evaporation and distillation. Graphical methods of design are also presented. Prerequisites: PET 202. *Fall.*

401. Transport Phenomena III. (3-0-3)

This course emphasizes mass transfer, the operation of filtration, sedimentation and phase change, radiation heat transfer and the simultaneous mass/heat transfer as found in extraction and absorption/absorption systems. Graphical methods of problem solving and design are presented for some topics. Prerequisites: PET 301, ENT 333. *Fall.*

402. Unit Operations I. (2-6-5)

This course includes studies in the quantitative study of process engineering operations involving flow of fluids through conducts and porous media; heat exchange and mass transfer by diffusion. The laboratory program involves quantitative experimental study of fluid mechanics and heat transfer and their application to filtration, evaporation, pumps, mixing, etc. Comparison of the operation of actual equipment with theory, digital computers and programming for problem solving. Prerequisites: PET 401, 411, MAT 250. *Winter.*

403. Unit Operations II. (2-6-5)

Advanced studies in simultaneous mass and heat transfer by diffusion processes, dimensional analysis and the correlation of mass, momentum and heat transfer coefficient. The laboratory involves operations of dual transfer systems such as distillation, evaporation, absorption, drying, and humidification. Also included are the study of rates and equilibria in simple chemical and reaction systems, and of chemical processes. Prerequisites: PET 402. *Spring.*

411. Process Thermodynamics. (4-0-4)

Basic concepts and use of the thermodynamic functions of entropy, enthalpy, and free energy; relationships among variables; properties of pure fluids and mixtures; change of properties on mixing; application of the conditions of thermodynamics equilibrium or defined by Gibbs to phase and chemical equilibria; thermodynamic process and efficiencies. Prerequisites: ENT 333, PET 301. *Fall.*

412. Process and Piping Design. (0-6-3)

This course concentrates on piping design problems associated with heat exchangers, pumps, horizontal and vertical vessels, pipeways, and plant layouts. Emphasis is placed on the design and preparation of the drawings for these subsystems. The course also includes an introduction to piping flexibility and standard piping details. Use of scaled plot-plan models and engineering models in process piping and plant design will be a requirement. Prerequisites: ENT 102, PET 401. *Winter.*

413. Process Control. (4-2-5)

The content of this course will include the dynamic response and control of process equipment, such as heat exchangers, chemical reactors, absorption towers, etc. Use is made of fundamental techniques of servo-mechanism theory. Prerequisites: PET 401, 402, 412. *Spring.*

The quarter listed after each course is merely a guide. Circumstances may cause a course to be offered during another quarter. Always consult your advisor.

**INDUSTRIAL ARTS AND TRADE AND
INDUSTRIAL EDUCATION**

The Department of Engineering Technology cooperates with the School of Education, Armstrong State College in offering a Bachelor of Science in Education degree with majors in Industrial Arts Education and Trade and Industrial Education. Course work in the major field of study for these programs is offered at the College, while the remaining course work is offered at Armstrong State College.

Students who began their respective programs at Savannah State College may have courses taken at Savannah State College substituted for reasonably equivalent courses at Armstrong State College.

Students interested or currently participating in either of these programs should confer with the head of the Department of Secondary Education at Armstrong State College and the head of the Department of Engineering Technology.

INDUSTRIAL ARTS EDUCATION CURRICULUM

Bachelor of Science in Education With a Major in Industrial Arts

JUNIOR COLLEGE CURRICULUM:*

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 111-112-211	15 hours
Art 200, 271, 272, 273, Music 200, Philosophy 200, 201 or English 222	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Chemistry 128-129 or Physics 211-212	10 hours
Mathematics 101 and 103 or 195	10 hours

Area III — Social Science: 20 hours required

History 114, 115	10 hours
Political Science 113	5 hours
Economics 201	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Psychology 101	5 hours
Education 200	5 hours
Drama/Speech 228	5 hours
**Industrial Arts 201, 202, 203	15 hours

Additional Requirements:

Physical Education 103 or 108 and 117 and three activity courses	6 hours
History 251 or 252	5 hours

SENIOR COLLEGE CURRICULUM:

Requirements: 100 quarter hours

**Major Requirements: 55 hours as specified

Industrial Arts Education 212-301-302-303-312-401	50 hours
Mechanical Engineering Technology 223	5 hours
Engineering Technology 101, 102	10 hours

Teacher Education Sequence: 40 hours

Education 310-335-470-480-490	25 hours
Psychology 301	5 hours
**Industrial Arts Education 411, 422	10 hours
**Approved Electives	10 hours

TRADE AND INDUSTRIAL EDUCATION CURRICULUM

Bachelor of Science in Education With a Major in Trade and Industrial Education

JUNIOR COLLEGE CURRICULUM:*

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 111-112-211	15 hours
Art 200, 271, 272, 273, Music 200, Philosophy 200, 201 or English 222	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Chemistry 128-129 or Physics 211-212	10 hours
Mathematics 101 and 103 or 195	10 hours

Area III — Social Sciences: 20 hours required

History 114, 115 and 251 or 252	15 hours
Political Science 113	5 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Psychology 101	5 hours
Education 200	5 hours
Drama/Speech 228	5 hours
Art 111 or 112, or Economics 201	5 hours
Trade and Industrial Education 100, 200	10 hours

Additional Requirements:

Physical Education 103 or 108 and 117 and three activity hours	6 hours
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*Certain courses may be exempted by examination with credit awarded. See "Admission" section of the Armstrong State College *Bulletin*.
**Courses offered only at Savannah State College.

SENIOR COLLEGE CURRICULUM:

Requirements: 100 quarter hours
Major Requirements: 55 hours as specified

**Trade and Industrial Education 210-300-301-303-323 or 410	30 hours
**Trade and Industrial Education 311-313-401-402-403 or Technical Electives	25 hours
Teacher Education Sequence: 40 hours	
Education 310-335	10 hours
**Trade and Industrial Education 411-421-431-432-433 . .	25 hours
Psychology 301	5 hours
Approved Elective	5 hours

MAJOR COMPREHENSIVE EXAMINATION

To satisfy the institutional requirement for the comprehensive examination, all students in industrial teacher education programs are required to take both the common examination and the teaching area of the National Teacher Examination.

DESCRIPTION OF COURSES

INDUSTRIAL ARTS EDUCATION (IAE)

- 201. Wood Processing I. (3-7-5)**
Care of tools and machinery, basic hand and machine operations, materials selection, and finishing. Prerequisite: ENT 102. *Fall.*
- 202. Wood Processing II. (3-7-5)**
A study of the construction of more advanced projects by the use of power tools and machines, and woodfinishing. Prerequisite: IAE 201. *Winter.*
- 203. Industrial Arts Design. (3-7-5)**
Opportunities are provided for the development of design sensitivity and an appreciation for the aesthetic quality of products. Consideration is given also to the analytical and problem-solving procedures of the industrial designers. Prerequisite: ENT 102. *Spring.*
- 212. Metal Fabrication. (3-7-5)**
A study of various metal forming, joining and casting techniques using a variety of metals and processes. Study includes the care, set-up and operating principles of equipment. *Winter.*

*Certain courses may be exempted by examination with credit awarded. See "Admissions" section of the Armstrong State College Bulletin.
**Courses offered only at Savannah State College.

301. Architectural Drafting. (3-7-5)

A study of house planning and the making of architectural working drawings. Prerequisite: ENT 102. *Fall.*

302. Power Mechanics. (3-7-5)

A study of the theory, operation and servicing of small gas, outboard, and automotive engines. Theoretical consideration is given to turbines, jet engines, turbo-jets, and rockets. *Winter.*

IAE 303. Graphic Art Technology. (3-4-5)

Instruction in the printing processes and areas related to the process. Experiences will include graphic design, composition, photography, offset printing and the screen process.

IAE 312. General Electricity. (3-7-5)

The nature, forms and sources of electricity, conductors, insulators, electrical measurements, low voltage and residential wiring, electrical heating and lighting are presented in this course. Prerequisite: MAT 108. *Fall.*

401. Industrial Arts Electronics. (3-7-5)

Electro-magnetism, relays, transformers, diodes, power supplies, test equipment, small project construction and trouble-shooting. Prerequisite: IAE 312. *Winter.*

403. Special Interest Problems. (0-0-5)

Typical problems related to technical knowledge and the execution of skills as revealed on the field. Can be substituted for industrial arts courses or electives at the discretion of the department head. Prerequisites: ENT 103 and consent of instructor. *All quarters.*

404. Special Interest Problems. (0-0-3)

See IAE 403. *All quarters.*

411. Curriculum Building and Shop Organization. (5-0-5)

A study of the techniques of curriculum development; shop organization and management. Prerequisite: Admission to Teacher Education, PSY 301, EDN 335. *Winter.*

421. Methods of Teaching Industrial Arts. (5-0-5)

Lesson plan making, shop demonstrations, use of a variety of instructional media, measuring achievement, and the various methods of teaching industrial arts. Prerequisite: Admission to Teacher Education, PSY 301, EDN 335.

490. World of Construction. (3-7-5)

This course is designed to prepare one for the teaching of basic knowledge and skills of the construction industry as developed by the Industrial Arts Curriculum Project. *Offered on demand.*

TRADE AND INDUSTRIAL EDUCATION (TIE)**100-200-210-300. Cooperative Industrial Work Experience. (0-0-5)**

Student works in industry under the supervision of a college coordinator to gain practical work experience in the occupational area he plans to teach. If the student has prior acceptable work experience in his occupational area, credit will be granted in these courses proportionately. *All quarters.*

201. Electronics Technology Update. (3-7-5)

Designed to update the electronic content in integrated solid-state circuits and to modify existing instructional units. Techniques will be developed for implementing individualized instruction. *Summer.*

203. Techniques of Teaching Vocational Education. (5-0-5)

An introductory course for teachers of occupational education involving selection, organization and methods of instruction. *Offered on demand.*

205. Television Technology-Update. (2-1-3)

Designed to provide state-of-the-art training for radio and TV instructors in post-secondary vocational schools. *Summer.*

206-7-8. Microprocessors I, II, III. (3-7-5)

Designed to update the electronic content in the area of microprocessors and microcomputers. Techniques and approaches will be developed for teaching and implementing self-paced instructional materials on content. *Summer.*

209. Microprocessors IV. (3-7-5)

A course designed to assist the student in using the technical knowledge gained in previous courses to interface microprocessors and microcomputers. *Summer.*

210. Electronics Update Internship. (0-0-5)

Designed to assess the degree to which the instructor has integrated his workshop experiences in his teaching program. Assistance and suggestions will be provided where needed. *Summer.*

213. Vocational Guidance. (5-0-5)

A study of the meaning, purposes, techniques, and problems of vocational guidance.

215. Television Technology II. (0-4-2)

This course is designed to continue the learning experience initiated in TIE 205. *Summer.*

216. Microprocessor Internship. (0-0-5)

This course is designed to assess the degree to which the instructor has integrated his experiences in microprocessors and microcomputers into his program. Assistance and suggestion will be provided where needed. *Fall, Winter.*

301. History of Vocational Education. (5-0-5)

A study of the development of vocational-industrial education in the United States with emphasis on personalities and technical developments that influenced its growth.

303. Shop Management. (5-0-5)

A study of the sources of materials, means of purchasing, methods of inventorying; systems of arranging, installing, maintaining, storing and issuing shop tools and equipment.

311-313-401-402-403. Competency in Occupation. (0-0-5)

Graduates of vocational-technical schools and others with occupational competency in an appropriate trade and industrial teaching field may receive credit by successfully passing occupational competency examinations or other evidences of competency.

323. Occupational Analysis. (5-0-5)

A study of the techniques of defining, identifying, classifying, organizing and expressing essential teachable elements of occupations for instructional purposes.

410. Instructional Aids. (5-0-5)

This course is designed to motivate and teach trade and industrial education teachers to design, construct, and use all types of instructional aids which will facilitate teaching and learning in vocational education.

411. Industrial Education Curriculum. (5-0-5)

A study of course making and curriculum development with emphasis on organizing instructional materials for vocational-industrial educational programs. Prerequisite: Admission to Teacher Education, PSY 301, EDN 335. *Winter*.

421. Methods of Teaching Industrial Subjects. (5-0-5)

The techniques of making lesson plans, giving shop lectures and demonstrations, writing instruction sheets, using a variety of instructional media, and measuring student achievement in trade and industrial education. Prerequisite: Admission to Teacher Education, PSY 301, EDN 335. *Winter*.

431-432-433. Teaching Internship in Trade and Industrial Education. (0-0-5)

A cooperative undertaking between the college and public school system to provide college supervision for employed permit trade and industrial education teachers. This experience is for one academic term and may be taken in lieu of EDN 470, 480, 490. Prerequisites: EDN 334, TIE 411, 421, 421; vocational teaching permit; full-time employment as a trade and industrial education teacher, and approval of teacher's employer. *All quarters*.

DEPARTMENT OF HOME ECONOMICS

Teresa A. Anthony
Martha A. Corley

ALPHA H. JONES, *Head*

Diana D. Wagner
Ada P. Knight
Elizabeth Jenkins, Secretary

PHILOSOPHY AND PURPOSE

The Department is committed to the search for, and the application of concepts and competencies that enhance and stabilize family life as the core of society and to improve the quality of life within the context of his/her natural and interpersonal environment. Cognizant of the changing needs of society, the Department constantly endeavors to reassess values and goals in terms of academic principles of education. To this end the Department of Home Economics proposes to:

1. Offer programs which provide specialized preparation for professionals in two areas: Nutrition and Institutional Management, Textiles and Clothing.
2. Offer courses for the College Community which enable the individual to meet basic needs and to improve the quality of life.
3. Contribute to the general education of the students by helping him/her become a responsible, intelligent and informed member of the local, national and world communities.
4. Help students gain an understanding of selected concepts in the behavioral and natural sciences relevant to home economics and the interplay of the social, psychological, and economic forces that influence the wellbeing of individuals and family.
5. Acquaint students with some of the problems of individuals, families and groups in providing for the satisfaction of human needs.

GENERAL PROGRAM

The four year curricula in the Department of Home Economics leads to a Bachelor of Science Degree in two areas of specialization: Dietetics and Textiles and Clothing. A proposed program in General Home Economics with options in Foods and Nutrition, Fashion Merchandising and Child Development and Family Services is awaiting Regents approval. A curriculum for a Cooperative Undergraduate Program in Dietetics is being developed, in compliance with criteria for accreditation by the American Dietetics Association. This program will include undergraduate internships involving organized academic and clinical learning experiences

A total of 196 quarter hours are required in each of the curriculum areas for Graduation. All Majors in the Department are required to get grades of C or better in all Home Economics Courses.

TWO YEAR TERMINAL COURSE
DRESSMAKING AND TAILORING

Intended for graduates of approved high schools, this program is designed for persons who desire to specialize in dressmaking or tailoring and become owners of speciality shops or boutiques. A certificate is earned by two year graduates.

In addition to the Baccalaureate degree programs, the Department offers an Associate Degree in Dressmaking and Tailoring, and two Minor programs: Child Development and Disadvantaged and Handicapped Families.

MINOR PROGRAM

In addition to the Home Economics degree programs, the department offers two minor programs that are open to all majors.

MINOR IN CHILD DEVELOPMENT

This program is designed for persons interested in the care and education of the young child. Day Care, Nursery School, and kindergartens establishments, both public and private, provide many and varied employment opportunities upon graduation.

CHILD DEVELOPMENT CURRICULUM

CHF 351 Child Development	3
CHF 352 Child Care and Guidance	2
CHF 451 Activities and Materials for Preschoolers	5
CHF 354 Child and His Family	5
CHF 353 Problems of the Preschool Child	4
CHF 442 Family Relationships	5
FND 415 Nutritional Need of Children	5
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MINOR IN DISADVANTAGED AND HANDICAPPED FAMILIES

This program is designed for students with some background in the Social Sciences, who are interested in improving the life-style of low income families and children, and other disadvantaged and handicapped persons.

DISADVANTAGED AND HANDICAPPED FAMILIES CURRICULUM

CHF 351 Child Development	3
CHF 443 Coping with Family Crisis	5
CHF 340 Family Health and Safety	3
CHF 342 Consumer Economics	5
FND 200 Survey of Nutrition	3
CHF 442 Family Relationships	5
T&C 170 Textiles and Clothing for Contemporary living	3
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DIETETICS AND INSTITUTIONAL MANAGEMENT

Students who major in Dietetics and Institutional Management comply with a curriculum prescribed by the American Dietetics Association. Upon graduation students are eligible for appointments as student dietetic interns in ADA approved hospitals, educational or industrial institutions. Upon completion of the fifth year of training, career positions as dietitians are available in specialized branches of the Federal Government, public, private and educational institutions.

Membership in the Student American Dietetics Association is required. The distinction of Registered Dietitian (R.D.) is obtained through examination after the completion of the internship.

TEXTILES AND CLOTHING

Textiles and Clothing majors are prepared to find careers in merchandising and retailing in department stores and boutique shops as personal shoppers, clothing analysts, comparison shopper analysts, fashion coordinators, fashion buyers, apparel designers, fabric care home economist and retail promotion salesperson. Sufficient technical background is given for a career as textile tester. Individual enterprises such as interior decorator or fabric shop specialist may be established.

PRE-PROFESSIONAL MOTIVATION AND ENRICHMENT

The perspective of students in the Department of Home Economics is broadened and enriched through required field trips, junior internships and experience affiliations with selected food service institutions and social welfare and textile merchandising establishments. The student defrays the cost of all local and special trips.

Since 1950 the Department of Home Economics has supported and directed the Savannah State College Chapter of the American Home Economics Association. Membership in the Student Association is required of all Home Economics Majors.

TEXTILES AND CLOTHING CURRICULUM

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required

English 107-108-109	15 hours
Humanities 232	5 hours

Area II — Mathematics and Natural Sciences: 20 hours required

Mathematics — 107-110	10 hours
Chemistry 101-102	10 hours

Area III — Social Science: 20 hours required

Social Science 201	5 hours
Political Science 200	5 hours
History 101-202 or 203	10 hours

Area IV — Courses Appropriate to Major: 30 hours required	
Art 131	3 hours
Textiles and Clothing 170, 172, 260, 264	10 hours
Foods and Nutrition 215	5 hours
Biology 123-124	10 hours
Technical Science 223 or Business 209	2 hours
Additional Requirements — 8 hours	
Physical Education	6 hours
General Education 101	2 hours

SENIOR COLLEGE CURRICULUM: 98 hours required

Textiles and Clothing 263, 360, 362, 370, 373, 463, 464, 470	33 hours
Art 230, 331, 433	11 hours
Family 442	5 hours
Family 342	5 hours
Child Development 351	3 hours
Business Administration 201	5 hours
Chemistry 307, 310	5 hours
Home Economics 101, 201, 407	4 hours
Accounting 211	5 hours

ASSOCIATE DEGREE PROGRAM

DRESSMAKING AND TAILORING CURRICULUM:

English 107-108-109	15 hours
Art 131-230	8 hours
Accounting 211	5 hours
Business Administration 105-225-306-340	20 hours
Economics 201	5 hours
Textiles and Clothing 170-172-260-263-264-360-361-462-463-464-466-465	40 hours
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TOTAL	93

DIETETICS AND INSTITUTIONAL MANAGEMENT

JUNIOR COLLEGE CURRICULUM:

Core Curriculum Requirements: 90 quarter hours

Area I — Humanities: 20 hours required	
English 107-108-109	15 hours
Humanities 232	5 hours
Area II — Mathematics and Natural Sciences: 20 hours required	
Mathematics 107	5 hours
Chemistry 101-102-307	15 hours
Area III — Social Sciences: 20 hours required	
Psychology 201	5 hours
Political Science 200	5 hours
History 101-202 or 203	10 hours

Area IV — Courses Appropriate to the Major: 30 hours required

Art 130	3 hours
Foods 212	5 hours
Biology 128-206	6 hours
Business Administration 201	3 hours
Family 240	3 hours
Textiles and Clothing 170	3 hours
Economics 201	5 hours
Home Economics 101-407	2 hours

Additional Requirements:

Physical Education	6 hours
General Education	2 hours

SENIOR COLLEGE CURRICULUM: 98 quarter hours required

Foods and Nutrition 310-311-312-313-315-316-317-321-322-410-415-421	47 hours
Chemistry 404	5 hours

FOODS AND INSTITUTIONAL MANAGEMENT — OPTION**SENIOR COLLEGE CURRICULUM — 98 hours required**

Foods and Nutrition 215-310-311-316-317-321-322-421-422 .	41 hours
Chemistry 303	5 hours
Home Economics 302-401-402-407	15 hours
Business Administration 201-412	8 hours
Accounting 211-212	10 hours
English 201	3 hours
Child Development and Family Life 351	3 hours
Textile and Clothing 260	3 hours
Electives	10 hours

FASHION MERCHANDISING — OPTION**SENIOR COLLEGE CURRICULUM — 98 hours required**

Textiles and Clothing 361-370-380-382-383-481-483	22 hours
Business Administration 201-304-306-340-341-403-360-412 .	40 hours
Art 233-331	5 hours
Accounting 211	5 hours
Child Development and Family Life	5 hours
Home Economics 201-302-402-407	16 hours
Psychology 303	5 hours.

CHILD DEVELOPMENT AND FAMILY SERVICES — OPTION**98 hours required**

Child Development and Family Life 151-340-341-342-350- 351-352-353-354-440-442-445-450-451-452	57 hours
Home Economics 201-302-401-402-407	19 hours
Foods, Nutrition and Dietetics 215-415	10 hours
Psychology 301	4 hours
Textiles and Clothing 260-362	6 hours
Electives	2 hours

DESCRIPTION OF COURSES

APPLIED ART (ART)

131. Introduction to Art and Design. (2-3-2).

Fundamental principles of art and design and their practical application in the use of color, line and form. Emphasis is placed upon recognition and application of beauty in the immediate surroundings. *Spring*.

230. Apparel Design. (2-4-4)

Study of apparel with emphasis on line and color in relation to the individual. Problems include figure drawing, planning a personal wardrobe, adapting current and historic mods to individual appearance creating color ensembles, correcting the figure with designs and improving selections. Prerequisite: Art 131. *Fall*.

233. Fashion Illustration. (1-2-2)

Creation of designs for different figures and ages. Application of design methods and skill in illustrating the fashion figure, costume rendering and layout, synthesis and organization of fashion design.

330. Interior Design. (2-6-5)

Planning, designing and decorating single rooms, apartments, and houses to meet personal and family problems involved in present day aesthetic needs; house plans and arrangements; furnishings and color treatment of backgrounds. Prerequisite: Art 130. *Winter*.

331. History of Costume. (3-0-3)

Clothing styles of men, women, and children in western civilization from predynastic Egypt to the present time. Factors associated with origin, adoption and abandonment of styles are explored.

433. Weaving. (2-4-4)

Techniques of weaving on four harness table and floor looms; creative drafting and pattern weaving, design color, and texture applied to textile construction. Prerequisites: Art 131, 330. *Summer*.

CHILD DEVELOPMENT AND FAMILY LIFE (CHF)

FAMILY LIFE (CHF)

240. Contemporary Family Living. (3-0-3)

The study of non-traditional families, and the effect of technological advances on developmental patterns of the family. (all Majors)

340. Family Health and Safety. (2-2-3)

A study of basic methods of health care, first aid, and safety with a practical application to the home environment. A study is made of the care of non-ambulatory family members with attention given to nutritional and emotional care.

341. Parental Environment. (3-0-3)

Exploration of the role of the parent from a physiological and psychological view point.

342. Consumer Economics. (5-0-5)

Consideration is given to pertinent factors of production, marketing, purchasing and maximum use of household goods. *Spring.*

440. New and Emerging Life Styles. (Formerly FAL 401) (3-0-3)

A study of changing trends in life styles and their implications for the future of the family as a unit. Current issues in parenting will also be studied.

442. Family Relationships. (5-0-5)

Study of the significance of marriage, the relationships between various members of the family group and the degree to which the interplay of personality within the family is affected by culture. *Fall.*

443. Coping with Family Crisis. (5-0-5)

A study of the types of family crisis, and sources available to help families solve or cope with acute family problems with intra family communications as a special focus.

CHILD DEVELOPMENT (CHF)

151. Introduction of Child Development. (2-0-2)

Overview of the field of study including careers and current trends in child development.

251. Theories of Child Development. (3-0-3)

Analysis of theories relative to child studies as well as innovative research in the field.

350. Infant Development. (2-2-3)

Study of the physical development of the young from conception through the second year. Observation and research techniques are also studied.

351. Child Development. (2-1-3)

A study of the physical development of the young child, with an exploration of current theories and concepts. Observation of the young child provide an integral part of the study.

352. Child Care and Guidance. (2-1-2)

A comprehensive study of care and guidance, and its relationship to the social, emotional, and intellectual development of the young child. Prerequisite: CHF 351.

450. Learning Experiences for Infants and Toddlers. (2-1-3)

Development of curriculum for infants and toddlers in the daycare setting. Prerequisite: CHF 351.

451. Activities and Materials for Preschoolers. (3-2-5)

Principles underlying space needs and the selection and use of materials for creative experiences, in the curriculum areas that will meet the developmental needs of the young child. Scheduled supervised classroom experience in daycare centers, nursery schools or kindergartens, denoted to observation, participation, teaching and professional involvement. Prerequisites: CHF 315, CHF 352.

354. The Child and His Family. (5-0-5)

The interrelationships of the child and the family through the stages of the family's life cycle. Emphasis on effects of home and family conditions on development of children. *Fall, Summer.*

353. Special Problems of Pre-School Children. (4-0-4)

Study of the social and emotional adjustment of "normal" children, ages 2-5. Emphasis placed on balancing those factors which are preventable and help in resolving difficulties; the teacher's insight and understanding of the child's personality, needs and problems. Prerequisite: CHF 351. *Fall, Spring.*

452. Organization and Administration of Preschool Programs. (5-0-5)

Planning for staffing, housing, feeding scheduling, and financing for day care of infants and young children, nursery school programs and specialized programs for deprived preschool children.

NUTRITION AND DIETETICS (FND)

NUTRITION (FND)

210. Survey of Nutrition. (3-0-3)

Introduction to nutrition and its effects on the health of individuals and groups. Weight control, vitamin requirements, nutrition and exercise, and other current topics will be examined. For non-dietetics majors.

310. Normal Nutrition. (4-0-4)

A study of the scientific basis for determination of the nutritional needs of individuals and groups. Prerequisites: CHE 307, BIO 307 with grade of C or better.

311. Advanced Nutrition. (3-0-3)

Interactions among vitamins, protein, fat, carbohydrates and other cellular components and their relation to the nutritional status of the individual. Prerequisites: FND 316, BIO 206, and CHE 307 with grade of C or better.

312. Diet Therapy. (4-0-4)

Biochemical and physiological basis for various disease states and the rationale for the dietary treatment of each. Prerequisites: FND 311 and CHE 404 with grade of C or better.

313. Applied Diet Therapy. (1-3-3)

Introductory field experience in evaluation of nutritional status of individuals, evaluation of diet and nutritional care planning. Prerequisite: FND 312.

410. Experimental Nutrition. (1-3-3)

Basic principles and techniques used in research in human and animal nutrition. Prerequisite: FND 311 with grade C or better.

415. Nutritional Needs of Children. (5-0-5)

The study of normal growth patterns and the principles involved in meeting the nutritional requirements of pre-school and early school age children. (All Majors)

FOODS (FND)

215. Principles of Food Preparation. (3-4-5)

Study of the nutritive value, cost and processing of foods, along with their chemical and physical properties. Recent technology, standards and preparation techniques are also explored. Prerequisite: CHE 101. *Winter.*

315. Meal Management. (1-2-3)

Planning, preparation, and serving of attractive meals are explored, stressing nutritive values, time, energy and money management. Prerequisite: FND 215.

316. Quantity Food Production. (2-6-5)

Experience in production of food in large quantity; use of steam and power equipment, and menu making for institutions. Computation of costs, menu pricing, and portion control are also explored. Prerequisites: FND 215, 315.

317. Experimental Foods. (2-6-5)

Consideration is given to solving practical problems in food preparation; the study of scientific methods and factors involved in establishing standards for cooked foods. Prerequisites: CHE 307, and eight hours of Foods.

INSTITUTIONAL MANAGEMENT (FND)

321. Purchasing and Buying. (4-0-4)

A study of production, distribution, and storage of supplies to serve as a basis for purchase of such commodities for quantity use. Includes techniques for buying canned, fresh, frozen, and dried commodities in quantity.

322. Institutional Equipment. (3-2-4)

Study of layouts and equipment needs for institutions, along with energy efficiency, care and use of equipment. Field Trips Required.

421. Organization and Management. (4-0-4)

The organization and administration of various types of institutions. Field Trips Required.

422. Catering. (2-1-3)

Food production, menu planning, cost computation, and service for parties, teas and other social gatherings.

HOME ECONOMICS (HEC)

101. Career Exploration. (2-0-1)

A comprehensive study of the varied career options in Home Economics along with qualifications and competencies necessary to pursue career opportunities in each area. *Fall, Winter.*

201. Seminar in Self Growth. (2-0-2)

A study of strategies for personal development. Ways of enhancing appearance, personality and the general image presented to the public. Attention will be given to development of self confidence and self expression.

301. Management of Resources. (5-0-5)

Focuses on the decision making process, principles of organization for implementing decisions, evaluation procedures, and factors that influence management of time, energy, space and other resources.

302. Demonstration Techniques and Media Usage. (1-4-3)

Planning and presenting demonstrations in different areas of Home Economics. Attention will be given to developing and using audio visual media.

401. Seminar in Adult Interactions. (3-0-3)

A study of adult interactions and practical implications and applications for home economists who work with adults.

402. Home Economics Field Experience. (1-20-10)

This course is designed for seniors in the various majors of home economics, to get field experience. Advisors will supervise students in their respective areas.

407. Seminar in Home Economics. (1-0-1)

Focuses on skills and qualities necessary for success in the work world. Resume writing, interview techniques and personal qualities are explored. *Spring*.

TEXTILES & CLOTHING (T&C)**CLOTHING (T&C)****260. Basic Principles of Clothing. (1-4-3)**

Use of line, color and texture to create specific effects in apparel design and to achieve certain personal appearance goals are analyzed. Fitting and construction of a garment using a commercial pattern is undertaken. Problems involving fabric selection, basic fitting and sewing techniques are explored.

Requirement for all majors in the department. This is the first clothing construction course for textile and clothing majors.

263. Flat Pattern Design. (1-4-3)

A study of the techniques of flat pattern and drafting as methods of dress design. This course offers an opportunity to achieve a better knowledge of garment fitting with emphasis on relationships between body form, pattern shape and fabric interpretation. Development of an original design using modification of a basic design.

264. Sociological and Psychological Aspects of Clothing. (3-0-2)

Functions and meaning of dress in diverse cultures and contemporary societies with a social science approach. Influence of the sociological, economical, psychological and cultural factors in the selection and use of clothing are explored.

360. Advanced Clothing Construction. (2-3-5)

Development of judgement, originality and skill in clothing construction with emphasis on alternative techniques and intricate construction details.

Emphasis on pattern selection, and fitting principles to various fabrics and styles. Experiences in application of art and design principles to current modes of fashion. Prerequisites: T&C 260-264.

361. Consumer Clothing Needs. (4-0-4)

A study of the nature of the problems facing the consumer in the market place with emphasis on the function of clothing and how culture, society and the individual influence clothing needs and choices. Consideration of consumption factors affecting consumer expenditures: production and distribution of textiles and clothing products.

362. Children's Clothing. (2-2-3)

A study of the clothing needs during the various stages of the family cycle with consideration of various socio-economic groups. Opportunity is provided for planning, selecting, constructing, and buying apparel for family members. *Fall.*

462. Contemporary Tailoring. (2-3-5)

A course designed to introduce students to tailoring techniques and methods construction of tailored garments using woolen fabrics. Prerequisite: T&C 360. *Fall.*

463. Draping and Dress Design I. (2-3-5)

This course will be given in two consecutive quarters. Theory and techniques of pattern development on the full-scale, thru dimensional form. Application of principles of straight-grain draping and problem-solving approach to the construction of several designs.

464. Draping and Dress Design II. (1-3-3)

Students will interpret dress designs through basic draping techniques. Emphasis is on designing, fitting and construction of garments. Completed garments are modeled.

465. Field Problems in Clothing and Merchandising. (1-100-5)

A practicum associated with the financial management, administrative practices, human relations and policy development of clothing store operation. By special arrangement, the laboratory may be taken during the summer before the senior year. Off-campus experience is arranged.

466. Advanced Tailoring. (2-6-5)

Continuation of techniques and processes used in Contemporary Tailoring 462 with construction of coat, suit and tailored dress. Use of hand details and appropriate finishes for problems. Prerequisite: T&C 462.

TEXTILES (T&C)

170. Textiles and Clothing for Contemporary Living. (3-0-3)

An environmental approach to the study of textiles and clothing with emphasis on contemporary uses and roles of clothing apparel, fibers, and fabrics. Consumer problems and responsibilities in selection use, and care of clothing and textiles are considered.

172. Elementary Textiles. (1-2-2)

Consumer oriented study of textiles emphasizing the chemical and physical properties of natural and man-made fibers as related to the appreciation, selection, use, and care of current textiles.

Fibers, fabrics, and factors influencing appearance and service ability are studied.

350. Applied Textiles. (4-0-3)

An intermediate course in textiles. A critical analysis and comparison of the performance of fabrics with reference to fiber content, yarn construction, weave, color and finish. Application of basic principles of textiles in specific apparel and household end uses. Requirement for T&C Majors. Prerequisites: T&C 172, Chem 101, and 102.

373. Textiles for Interiors. (3-1-3)

A study of the factors related to the materials, selection, comparative cost, performance and care of textiles and fabrics used in home furnishings. Prerequisites: T&C 172, ART 230-330.

470. Textiles Performance. (0-4-2)

Fiber structure and composition; fiber and fabric properties are studied. Experience in planning and conducting textile tests and in evaluating data, development, present status and importance of textile testing, individual projects.

FASHION MERCHANDISING (T&C)**380. Introduction to Fashion Merchandising. (3-0-3)**

Foundations and principles of merchandising, terminology and problem-solving in retailing. Processes involved in planning, promoting, displaying, buying and selling of fashion merchandise to meet consumer demand. Current practices related to distribution of merchandise.

382. Fashion Trends and Analysis. (4-0-4)

Development, organization and trends of domestic and foreign fashion industries. Analysis of buying practices, procedures, activities, techniques and underlying concepts fundamental to fashion. Exploration of the social and economic trends within fashion and related fields.

481. Fashion Merchandising for Menswear and Boyswear. (3-0-3)

An in-depth analysis of the social and economic trends within the menswear and boyswear industry. The course will include the historic, current and future trends in the industry.

482. Merchandising Planning and Control. (4-0-5)

Techniques of merchandising the fashion department including: budgeting the merchandise dollar, planning the merchandise assortment, managing inventory, buying for resale. Analysis of practices and problems focusing on application of decision mechanisms.

DEPARTMENT OF NAVAL SCIENCE

JOHN K. SLAVEN, CDR, USN, *Head*

CDR Royal H. Logan, USN,

Executive Officer

LCDR Charlie T. Settlemyer, USN

LT Owen D. Corpin, USN

Capt. Walter E. Gaskin, USMC

Lt. Richard A. Bass, USN

QMCM General W. Ashley, USN

SKC Leroy Thompson, USN

YNC Jack Smith, USN

GYSGT Roy L. Sutphin, USMC

Jyoti Krishnamurti, Secretary

E. P. Evans, Secretary

The Naval Reserve Officers' Training Corps academic program is designed to prepare selected students for commissioned service as regular or reserve officers in the Navy or Marine Corps.

In support of this purpose the basic and primary mission of the NROTC program is as follows:

To develop Midshipmen morally, mentally and physically and to imbue them with the highest ideals of duty, honor and loyalty in order to commission college graduates as officers who possess a basic professional background, are motivated toward careers in the Naval Service and have a potential for future development in mind and character so as to assume the highest responsibilities of command, citizenship and government.

The primary objectives of the NROTC Program are to provide NROTC students with:

1. an understanding of the fundamental concepts and principles of naval science;
2. a basic understanding of associated professional knowledge;
3. an appreciation of the requirements for national security;
4. a strong sense of personal integrity, honor, and individual responsibility; and
5. an educational background which will allow the midshipman to undertake successfully, in later periods of his career, advanced/continuing education in a field of application and interest to the Naval Service.

Organization of the Program

The Naval Reserve Officers Training Corps academic program consists of three parts:

1. The academic major field of study
2. Navy/Marine Corps specified college courses
3. Navy/Marine Corps minor programs (3 options).

**NAVAL SCIENCE CURRICULUM
NROTC PROGRAM — NAVY OPTION**

JUNIOR COLLEGE CURRICULUM:

Core Curriculum requirements: 15 qtr hours

AREA I — Humanities: As per major

AREA II — Mathematics & Natural Sciences: As per major

AREA III — Social Sciences: As per major

AREA IV — Naval Science: 15 hours required

NSC 101-102-103-104	8 hours
NSC 201-202, 204	7 hours

Additional requirements:

- NSC 450 Naval Drill (0-1-0) is required each quarter.
- Physical Education - 6 hours: Not required for NROTC Midshipmen.
- General Education 100: Not required for NROTC Midshipmen (NSC 101-102-103 substitutes).

SENIOR COLLEGE CURRICULUM:

Requirements: 54 hours (maximum combination)

Naval Science requirements: 14 hours as specified.

NSC 301-302-303-304-305-306	9 hours
NSC 401-402-403-404-405	5 hours

Specific electives: 40 hours.

#Mathematics 212-213-214	15 hours
#Physics 306-307-308	15 hours
*History 201	5 hours
*Political Science 201	5 hours

NROTC PROGRAM — MARINE CORPS OPTION

JUNIOR COLLEGE CURRICULUM:

Core Curriculum requirements: 15 qtr hours

AREA I — Humanities: As per major.

AREA II — Mathematics & Natural Sciences: As per major.

AREA III — Social Sciences: As per major.

AREA IV — Naval Science: 15 hours required.

NSC 101-102-103-104	8 hours
NSC 201-202, 204	7 hours

#Required for scholarship midshipmen; encouraged for others.
*Required for non scholarship midshipmen & midshipmen not majoring in one of the following areas:
Math, Physics, Computer Science, Engineering or Chemistry; encouraged for others.

Additional requirements:

NSC 450 Naval Drill (0-1-0) is required each quarter.

Physical Education — 6 hours: Not required for NROTC Midshipmen.

General Education 100: Not required for NROTC Midshipmen (NSC 101-102-103 substitutes).

SENIOR COLLEGE CURRICULUM:

Requirements: 22 quarter hours

Naval Science Requirements: 12 hours as specified:

NSC 301-302-303, 307-308	6 hours
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NSC 406-407	6 hours
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Specific Electives: 10 hours

History 201	5 hours
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Political Science 201	5 hours
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DESCRIPTION OF COURSES

NAVAL SCIENCE

NSC 101-103. Introduction to Naval Science I, II, & III. (1-0-1)

Introduction to the Naval Role in national defense. The instruction places particular emphasis on the mission, organization, regulations, and broad warfare components of the Naval service. *Fall, Winter & Spring sequence.*

NSC 104. Naval Ships System I. (5-0-5)

Introduces students to the types, structure and purpose of naval ships. Ship compartmentation, propulsion systems, auxiliary power systems, interior communications, ship operations, and ship stability characteristics are examined. *Fall, Spring.*

NSC 201 & 202. Seapower and Maritime Affairs I & II. (1-1-1)

Introduces the student to naval seapower and maritime affairs. These courses are oriented toward the general concepts of seapower (including the merchant marine), the role of various components of the Navy in supporting the Navy's mission, the implementation of seapower as an instrument of national policy, and a comparative study of U.S. and Soviet naval strategies. *Fall, Spring sequence.*

NSC 204. Naval Ships System II. (5-0-5)

Covers the theory and principles of operation of naval weapons systems. The course includes coverage of types of weapons and fire control systems, capabilities and limitations, theory of target acquisition, identification and tracking, trajectory principles, and basics of naval ordnance. *Winter.*

NSC 301-303. Naval Seminar I, II & III. (1-0-0)

Professional Naval training sessions stressing the development and application of leadership skills.

NSC 304-305. Navigation I & II. (3-1-3)

A comprehensive study of the theory, principles and procedures of ship navigation and movements. Navigation topics include mathematical analysis, spherical triangulation and practical work involving sight reduction, sextants, publications, and report logs. The concepts and mental skills relating to the use of relative motion, maneuvering board and the Rules of the Nautical Road for safe navigation — lights, signals, navigational aids and inertial systems, are also covered.

Fall, Winter sequence.

NSC 306. Naval Operations. (3-1-3)

Operations topics include communications, sonar-radar search and screening theory. Tactical formations and dispositions, relative motion, maneuvering board and tactical plots are analyzed for force effectiveness and unity. Prerequisite:

NSC 305. *Spring.*

NSC 307-308. Evolution of Warfare I & II. (3-0-3)

Provides the student with a basic knowledge of the art and concepts of warfare, and its evolution from the beginning of recorded history to the present. Included within this study is a consideration of the influence that leadership, political, economic, sociological and technological development factors have had on warfare, and the influence they will continue to exert in the age of limited warfare.

Fall, Winter sequence.

NSC 309. Marine Corps Laboratory. (0-3-0)

A course for Marine Corps Option students which stresses the development of leadership, moral, and physical qualities necessary for service as Marine Corps officers. Practical laboratory exercises in mission and organization of the Marine Corps, duties of interior guards, introduction to military tactics, troop leading procedures, rifle squad weapons and theory of physical conditioning. Particular emphasis is given to a demanding progressive physical conditioning program. This course serves to prepare students for the Marine Corps Summer Training at Officer Candidate School (BULLDOG) between the junior and senior academic year. *Spring.*

NSC 401-403. Naval Operations Laboratory I, II, III (0-2-0)

Practical laboratory exercises conducted in a dynamic, composite and time oriented fleet environment to develop and improve the surface operation skills of Navy option midshipmen. *Fall, Winter & Spring sequence.*

NSC 404. Leadership and Management I. (3-1-3)

A course stressing the experiential approach to learning the principles of leadership and management. The student develops skills in the areas of communication, counseling, control, direction, management and leadership through active guided participation in dynamic case studies, experiential exercises and situational problems. Management theory, professional responsibility and the Navy Human Resources Management programs are emphasized. *Fall.*

NSC 405. Leadership and Management II. (2-1-2)

A course which will familiarize midshipmen with and develop an appreciation of the duties and responsibilities of the junior naval officer and division officer in the areas of Navy human resources management, and the personnel management, material management, and administration of division discipline. The course prepares the midshipman for the personal and professional responsibilities he will encounter immediately upon commissioning. This capstone course in the Naval Science curriculum builds upon and focuses the managerial and professional competencies developed during prior at-sea training and naval science courses. *Winter.*

NSC 406-407. Amphibious Warfare I & II. (3-0-3)

The history of amphibious warfare is a tactical course that provides the general background for amphibious warfare operations. The course seeks to define the concept, explore its doctrinal origins and trace its evolution as an element of blue-water naval policy during the 20th century. While studying the overall development of amphibious doctrine, the student will explore several common case studies and simultaneously prepare an analytical study of one or more significant amphibious operations from recent history. *Fall, Winter sequence.*

NSC 450. Naval Drill. (0-1-0)

Covers basic military formations, movements, commands, courtesies and honors, and provides practice in unit leadership. Naval drill is required each quarter.

DEPARTMENT OF MILITARY SCIENCE (ROTC)

CAPTAIN KARL JONES

Captain Gerry Bradley

Sergeant Girard Arseneau

General

The Department of Military Science is a Senior Division Reserve Officer Training Corps (ROTC), Instructor Group, staffed by Active Army Personnel. The department provides a curriculum available to Savannah State that qualifies the college graduate for a commission as an officer in the U.S. Army, United States Army Reserve, or the United States Army National Guard. Qualifying for a commission adds an extra dimension to the student's employment capability in that, upon graduation from college, the student has either military or civilian employment option. Enrollment is open to male or female students of Savannah State.

The Reserve Officer Training Corps program is designed to develop leadership qualities and to give students an understanding of the Armed Forces and how they support the national policies and interest of the United States. In particular, ROTC programs are charged with the mission of commissioning second lieutenants who have the qualities, attributes and educational credentials essential for service as junior officers in the Army.

Department of Military Science

The course of study offered in military science is designed not only to prepare both the male and female student for service as a commissioned officer in the United States Army but also to provide him with knowledge and practical experience in leadership and management that will be useful in any facet of society. Male and female students are eligible for enrollment. Each student is provided with a working knowledge of the organization and functioning of the Department of Defense and the role of the U.S. Army in the national security and world affairs.

The course of study pursued by students during their freshman and sophomore years is the basic military science course and/or related skill activities. The course of study normally pursued by students during their junior and senior years is the advanced military science course.

For selection and retention in the advanced course, a student must be physically qualified, should have maintained above average military and academic standing, and must demonstrate a potential for further leadership development.

Graduates of the advanced course are commissioned second lieutenants in the United States Army Reserve in the branch of service most appropriate to their interests and academic achievements, consistent with the needs of the Army. The branches of the Army include not only the vital combat arms, but such supporting technical fields as signal, ordnance, transportation, finance, legal, engineering, chemical and medical. Regardless of the branch selected, all officers will receive valuable experience in management, logistics and administration. Advanced course graduates will be commissioned and either called to active duty after graduation to serve for a period of three to six months or three years depending on the prevailing military requirements and circumstances. Graduates may be granted a delay in reporting for active duty for graduate study. A small number of outstanding students are designated distinguished military graduates and are offered commissions in the Regular Army each year.

Basic Military Science

Basic military science courses involve six quarters during the freshman and sophomore years. The student learns the organization and roles of the U.S. Army and acquires essential background knowledge of customs and traditions, weapons, map reading, tactics and communications. Equally important, these courses have the objective of developing the student's leadership, self-discipline, integrity and sense of responsibility.

Placement

Veterans entering the military science programs will receive appropriate placement credit for their active military service. Students who have completed military science courses in military preparatory schools or junior colleges may be given appropriate credit. Students with at least three years of high school ROTC may also be granted placement credit. Placement credit or six quarters of basic military science, or the equivalent thereof, is a prerequisite to admission into the advanced program.

Advanced Military Science

The general objective of this course of instruction is to produce junior officers who by education, training, attitude and inherent qualities are suitable for continued development as officers in the Army. There are two avenues available for the student to be eligible for entry into the advanced program and obtain a commission as a second lieutenant:

- (a) satisfactory completion of, or placement credit for, the basic program at Savannah State or at any other school, college or university offering basic ROTC and meeting the entrance and retention requirements established by the Army.
- (b) be an active duty veteran or junior ROTC cadet graduate eligible for placement credit.

Alternate Programs for Admittance to Advanced Military Science

Students with two years of coursework remaining, but who have not completed basic military science, are eligible to be considered for selection into the advanced military science program. Those selected under the provisions of the two-year advanced program must satisfactorily complete a basic summer camp of six weeks duration prior to entering the advanced program or must enroll in the condensed summer school phase of the basic course. This latter program consists of six, two-hour courses given during the summer quarter. A student may take other courses during this session. Upon successful completion of the military science courses, they will be placed in the advanced course. Students attending the basic camp at Fort Knox, Kentucky, are paid at active army rates and given a travel allowance from their home to camp and return.

Advanced Summer Camp

Students contracting to pursue the advanced courses are required to attend advanced summer camp, normally between their junior and senior academic years at Fort Bragg, North Carolina. Students attending this camp are paid at active army rates and given travel allowance from their home to camp and return.

Financial Assistance

All advanced cadets are paid a subsistence allowance of \$100 per month while enrolled in the advanced course.

Scholarship Program

Each year the U.S. Army awards one-, two- and three-year scholarships to outstanding young men and women participating in the Army ROTC program who desire careers as regular Army officers. The Army pays tuition, fees, books and laboratory expenses incurred by the scholarship student and, in addition, each student receives \$100 per month for the academic year. Individuals desiring to compete for these scholarships should apply to the professor of military science at Savannah State.

Army ROTC Uniforms, Books and Supplies

Students enrolling in the Army ROTC program will be issued U.S. Army uniforms, books and supplies by the Military Science Department. No fees or deposits of any kind will be required. Uniforms must be returned before commissioning or upon disenrollment from the ROTC program.

Army ROTC Courses (MIL)

The basic course of six quarters duration consists of one hour of classroom work and one hour of leadership laboratory per week. In the classroom, the student acquires knowledge of military organization, weapons, tactics, basic military skills, history and customs. In Leadership Laboratory, potential for leadership is progressively developed.

The advanced course consists of three hours of classroom work and one hour of leadership laboratory per week for two quarters in the third and fourth years. During the spring quarter prior to advanced camp the student will enroll in MIL 303 to prepare for attendance at Advanced Camp. This two-hour course is normally taken during the third year. One quarter of the senior year must include an elective approved by the Military Science Department. The coursework during the advanced course emphasizes techniques of management and leadership and the fundamentals and dynamics of the military team. The leadership laboratory provides the student with applied leadership experiences.

Basic Course

101. Army Organization. (2-1-1)

A study of the U.S. Army and the ROTC Organization. Prerequisite: None.

102. Basic Weapons and Military Skills. (2-1-1)

A study of characteristics of basic military weapons, the principles and fundamentals of rifle marksmanship, the elements of first aid, and the employment of individual camouflage, cover, concealment and field fortifications. Prerequisite: None.

103. Basic Survival. (3-0-0)

A study and practical exercise introducing military technique used to sustain human life when separated from logistical support. No prerequisites.

104. Basic Military Skills. (2-1-1)

A study of the basic military skills essential to the contemporary soldier with emphasis on individual training in first aid, intelligence information and field preparedness. Chemical, biological and nuclear operations on the modern battlefield. Prerequisite: MIL 102, or approval of PMS.

201. Map and Aerial Photograph Reading. (2-1-1)

A study of basic map reading as applied by the small unit leader. Prerequisites: MIL 102 and 104, or approval of PMS.

202. Basic Tactics and Operations. (2-1-1)

A study of small unit tactics, operations and troop leading procedures to include the combined arms teams to the platoon with primary interest on the rifle squad. Prerequisites: MIL 102, 104, 201, or approval of PMS.

204. Military Communications. (2-1-1)

A study of military communications procedures to include terminology, security, electronic warfare and preparation of military correspondence. Prerequisite: None.

Advanced Course**301. Leadership and Management I. (3-3-1)**

A study of the psychology of leadership, techniques of management, and methods of instruction to include practical application. Prerequisites: Basic Course or equivalent and permission of the Department.

302. Fundamentals and Dynamics of the Military Team I. (3-3-1)

A study of tactics applied at the platoon and company level to include a study of the modern battlefield and current military tactical doctrine. Prerequisites: Basic Course or equivalent and permission of the department.

303. Leadership Seminar. (2-2-1)

A series of seminars, laboratories and experiences to prepare the student for Advanced Summer Camp. Prerequisites: MIL 301 and 302.

401. Fundamentals and Dynamics of the Military Team II. (3-3-1)

A study of command and staff duties and responsibilities of the professional officer to include operations, intelligence, administration and logistics. Prerequisites: MIL 301 and 302.

402. Leadership and Management II. (3-3-1)

A study of military history, the military justice system and service orientation. Prerequisites: MIL 301 and 302.

DEVELOPMENTAL STUDIES PROGRAM

RONALD B. MCFADDEN, *Director*

Charlie Bryan
Deborah Carthon
Russell Ellington
Mary Ann Goldwire
Timothy Goodwin
Joan Green

Beverly Johnson, Secretary
Louise McDonald
Joyce McLemore
Sandra McPhaul
Hattie Nash
Rosalie Pazant
George Thomas, Sr.

PROGRAM MISSION

Pursuant to the Board of Regents mandate to provide higher educational opportunities for students who would not ordinarily be admitted to college, and supported by ninety years of commitment by Savannah State College to equal educational opportunity, the Developmental Studies Program provides instruction in English, reading, mathematics, tutorial learning lab and counseling support for students who demonstrate deficiencies in the aforementioned areas.

ADMISSION

Entering Freshmen whose Scholastic Aptitude Test scores are less than 750 must sit for the system-wide Basic Skills Exam in English, reading and math. College-wide cut off scores on the aforementioned tests in conjunction with other standard and locally constructed instruments are utilized to determine exemption from and placement into Developmental Studies courses. Basic Skills Examination cut off scores for exemption and exit for 1981-82 are: English = 63, Math = 63, Reading = 63.

Students with High School grade point averages (GPA) of 1.8 or less, Scholastic Aptitude verbal test scores of 250 and less and Scholastic Aptitude quantitative score of 280 and less will be denied admission.

GRADING POLICY

1. A grade of *A* indicates excellence in grasping the Basic Skills and shows that a student could perform well in regular college courses.
2. A grade of *B* indicates above average performance in Developmental Studies classes and probable success in regular classes.
3. A grade of *C* indicates that a student has completed all the required work, and has achieved the minimum academic standards necessary to perform successfully in regular classes.
4. A grade of *D* indicates that a student has not completed all the work and may be in need of additional counseling, study groups and/or tutoring. The course must be repeated.
5. A grade of *F* in the first quarter indicates that a student has not completed the required work and may need additional counseling, study groups, and/or tutoring. The course must be repeated.
6. A grade of *F* in two consecutive quarters indicates that a student has not completed the required work and probably will be dismissed from the Program.

EXIT POLICY

Students are given three quarters to successfully complete their Developmental Studies requirements. A fourth quarter may be provided at the discretion of the Director upon receipt of instructor's recommendation.

Exit from each course is achieved by obtaining a minimum *C* grade in an *exit* level course and the aforementioned Basic Skills cut off score.

All Developmental Studies students must continue academic advisement with the Program until all Developmental Studies course work is completed and official transfer initiated.

DESCRIPTION OF COURSES

MAT 097. Basic Mathematics I: Arithmetic. (5-0-5)

The prerequisite for this course is admission to Savannah State College, a scaled score less than 330 on the mathematics section of the Scholastic Aptitude Test (SAT), a scaled score less than 63 on the University System Basic Skills Examination (BSE) and a score less than 80% on the departmental standardized diagnostic arithmetic test. The course consists of a study of the four fundamental operations as they apply to whole numbers, fractions, mixed numbers, percents, decimals, sign numbers, least common multiple (LCM), greatest common divisor (LCD), mean, mode, median, exponents, radicals, geometric figures, formulas and word problems. All quarters. Institutional credit only.

MAT 098. Basic Mathematics II: Elementary Algebra. (5-0-5)

The prerequisite for this course is the same as Math 097 except that a scaled score greater than or equal to 80% on the departmental standardized diagnostic arithmetic test is required. The course consists of the fundamental operations and laws as they apply to polynomials, equations and inequalities in one variable, graphs and systems of equations, factoring, rational expressions, word problems and quadratic equations. All quarters. Institutional credit only.

ENG 097. English Fundamentals I. (5-0-5)

English 097 is a comprehensive course in basic grammar, sentence structure and paragraph development. Students who score below the Basic Skills Exam cut off and who fail to achieve passing on their writing sample are placed in this course. Students are expected to write a minimum number of paragraphs and complete lab work as well as classroom sentence structure exercises. All quarters. Institutional credit only.

ENG 098. English Fundamentals II. (5-0-5)

English 098 is a basic writing course that emphasizes the multi-paragraph theme. Students who score at or above the Basic Skills Exam cut off but who fail to achieve passing on the writing sample are placed in the exit level course. Students who complete 097 must enroll in 098. In addition to a minimum number of multi-paragraph themes, students must complete grammar exercises in the lab, a library research paper and classroom assignments. All quarters. Institutional credit only.

RDG 097. Reading Foundations I. (5-0-5)

This is an individualized course which stresses the reading of complete works, with an emphasis on vocabulary and comprehension development. Students are expected to read a minimum number of books from fiction and non-fiction, magazine articles, plays and prose. Students who fail to achieve the cut off score on the Basic Skills Exam and whose reading score falls below 9.5 grade level on a standardized measured instrument are placed in this course. All quarters. Institutional credit only.

RDG 098. Reading Foundations II. (5-0-5)

This exit level course emphasizes reading in the content area. Students are expected to read and analyze a minimum number of textbook chapters from various disciplines and master a Social Science and Basic Science vocabulary. Students who fail to achieve the Basic Skills Exam cut off score and whose reading score falls above 9.5 grade level on a standardized measured instrument are placed in this course. Students in Reading 097 must complete Reading 098. All quarters. Institutional credit only.

Quarter credit hours earned in Developmental Studies courses will not be counted toward graduation, and grades earned in such courses will not be used in determining cumulative grade point averages.



FACULTY AND STAFF

PROFESSORS

- Venkataraman AnanthaNarayanan *Mathematics and Physics*
B.Sc., M.Sc., Annamalai University; Ph.D., Indian Institute of Science,
Bangalore
- Hayward S. Anderson *Business Administration*
B.S., Savannah State College; B.S., Northwestern University; M.B.A., New
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- Joseph Anderson *Modern Foreign Languages*
A.B., Morehouse College; M.A., Atlanta University; Ph.D., University of
Texas
- Sarvan K. Bhatia *Economics*
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- O. Fred Becker *Music*
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Baptist Theological Seminary; Ph.D., George Peabody College for Teachers
- Thomas H. Byers *History and Political Science*
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Ball State University
- Kailash Chandra *Mathematics and Physics*
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- John B. Clemmons *Mathematics*
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- Gian S. Ghuman *Earth Sciences*
B.S., M.S., Punjab University; Ph.D., University of California
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University
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- Frissell R. Hunter *Biology*
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sity of Iowa

- Prince A. Jackson, Jr. *Mathematics*
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- W. Jan Jankowski *Business Administration*
B.B.A., Armstrong State College; J.D., Emory University School of Law
- Ja Arthur Jahannes *Humanities and Fine Arts*
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- Lester B. Johnson, Jr. *Engineering Technology*
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- John Simpson *History*
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- John K. Slaven, CDR USN *Naval Science*
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Calloway Professor
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- Eugene E. Welch *Criminal Justice*
B.A., University of Wisconsin; L.L.B., L.L.M., University of Wisconsin Law School
- Bernard L. Woodhouse *Biology*
B.S., M.S., Ph.D., Howard University

ASSOCIATE PROFESSORS

- Edward Alban *Economics*
A.B., Ph.D., University of Georgia
- Teresa A. Anthony *Home Economics*
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- Albertha E. Boston *Business Administration*
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- Ernest S. Brown *Engineering Technology*
B.S., Savannah State College; M.S., Bradley University; Ph.D., University of Missouri-Columbia
- Jacquelyn M. Byers *Mathematics*
B.S., Johnson C. Smith; M.A., Ohio State University
- Johnny Campbell *Economics*
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- Oscar C. Daub *English*
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- William DeCastro *Business Administration*
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- Norman B. Elmore *English*
B.S., Savannah State College; M.A., New York University
- C. Obi Emeh *Biology*
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- Jacob Englehardt *Mathematics*
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- Robert Holt *English*
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- Delacy Sanford *Social Sciences*
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- Harpal Singh *Biology*
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- Ram B. Singh *Economics*
M.A., Ph.D., Patna University

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ASSISTANT PROFESSORS

- Geraldine Abernathy *Physical Education*
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B.B.A., University of Georgia; M.B.A., Ohio State University
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- Frank Ellis, Jr. *Physical Education*
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong State College
- Charles J. Elmore *English*
B.S., Savannah State College; M.A., Ph.D., University of Michigan
- Albert E. Frazier *Physical Education*
B.S., Tuskegee Institute; M.A., Arizona State College
- Merolyn Stewart-Gaulden *Social Sciences*
B.S., Savannah State College; M.Ed., Ph.D., University of Missouri-Columbia

- Timothy Goodwin *Mathematics*
B.S., Armstrong State College; M.S., University of Georgia
- Samuel A. Gill *Music*
B.S., Savannah State College; M.A., Teachers College, Columbia University
- Matthew Gilligan *Biology*
B.A., Hartwick College; Ph.D., University of Arizona
- Joan S. Green *Reading*
B.S., Savannah State College; M.A., Atlanta University
- Gaye H. Hewitt *History*
B.A., University of Hawaii; M.A., East Texas State University
- Robert E. Jensen *Business Administration*
B.A., Atlantic Christian College; M.B.A., East Carolina University
- Hettie Beard Jones *Biology*
B.S., M.Ed., Tuskegee Institute; Ph.D., Iowa State University
- Ada Knight *Home Economics*
B.S., Fort Valley State; M.Ed., Pennsylvania State University
- Arthur T. Kolgaklis *Business Administration*
B.S., Georgia Institute of Technology; M.B.A., Harvard Graduate School of Business
- Veng S. Kouch *Electronics Engineering Technology*
B.S.E.E., M.S.E.E., West Virginia University; Ph.D., Arizona State University
- Mary Lou Lamb *Business Education*
B.S.Ed., M.Ed., University of Missouri; Ed.D., Indiana University
- Walter W. Leftwich *Mathematics*
B.S., West Virginia State College; M.S.P.H.E., North Carolina College at Durham; Ed.S., New York University
- Arthur Levy *Accounting*
B.S., University of Pittsburgh; C.P.A.
- Farnese H. Lumpkin *Art*
B.S., Bluefield State College; M.A., State University of Iowa
- Louise McDonald *Developmental Studies*
B.S., Savannah State College; M.A., Atlanta University
- Ronald McFadden *Developmental Studies*
B.A., M.A.T., Brooklyn College; Ph.D., Ohio State University
- Robert McKellar *Business Administration*
B.A., Davidson College; M.B.A., Savannah State College
- Willie G. McLemore *Reading*
B.S., Alabama A & M College; M.A., Atlanta University; Ed.D., University of South Carolina
- Yvonne H. Mathis *English*
B.S., Savannah State College; M.A., New York University

- Dorothy D. Murchison *Mathematics*
B.S., Savannah State College; M.S., South Carolina State College
- John H. Myles *Physical Education*
B.S., Savannah State College; M.S.Ed., New York University
- Hattie Nash *Reading*
B.S., Alcorn State University; M.Ed., Southern Louisiana University
- Rosalie F. Pazant *English*
B.A., Georgia State College; M.S., South Carolina State College
- Swannie Richards *Office Administration*
B.S.C., North Carolina College; M.S., North Carolina College at Durham
- Joseph P. Richardson *Biology*
B.A., University of Tennessee; Ph.D., University of North Carolina
- Raymond D. Schlueter *Electronics Engineering Technology*
B.S., M.S., Iowa State University
- Thomas E. Sears *Social Sciences*
B.S., Savannah State College; M.S., Georgia State University; J.D., John Marshall Law School
- Ella H. Sims *Sociology*
B.S., South Carolina State; M.A., Atlanta University
- *Bill R. Stephenson *Criminal Justice*
B.S., Oklahoma City University; M.Ed., Georgia Southern College
- Charlease Stevenson *Business Administration*
B.S., Allen University; M.S., Indiana University
- James E. Stuart, Jr. *English*
B.A., M.A., Samford University
- Madeline H. Thomas *Library Science*
B.S., Fisk University; B.S.L.S., North Carolina College; M.S.L.S., University of Illinois
- James Thompson, Jr. *Music*
B.A., North Carolina College; M.M.Ed., University of Michigan
- Willie Waddell *Business Administration*
B.S., Savannah State College; M.A., New York University; M.S.I.M., Georgia Institute of Technology
- Richard Washington *Physical Education*
B.S., M.S., State University of Iowa
- Alma S. Williams *English*
A.B., Spelman College; M.A., Atlanta University; M.M., University of Maryland

INSTRUCTORS

Bennie Arkwright, Jr.	<i>Social Sciences</i>
B.S., Savannah State College; M.S., University of Iowa	
George Conlin	<i>Business Administration</i>
B.S., B.A., Boston University; J.D., John Marshall Law School	
Novella P. Cross-Holmes	<i>English</i>
B.A., Clark College; M.A., Ohio State University	
Russell Ellington	<i>Physical Education</i>
A.B., Morris Brown College	
Joenelle B. Gordon	<i>Social Work/Sociology</i>
B.A., Bennett College; M.S.W., Western Reserve University	
Rex Chien-Chih Ma	<i>Engineering Technology</i>
B.S., National Taiwan University; M.E., University of South Carolina	
John J. Mach	<i>Art</i>
B.F.A., Yale University; M.F.A., Syracuse University	
Saralyn Truedell	<i>Physical Education</i>
B.S., Savannah State College	
Diane Wagner	<i>Home Economics</i>
B.S., M.Ed., Tuskegee Institute	

NAVAL SCIENCE FACULTY

Gerald W. Ashley, QMCM, USN	<i>Navigation Instructor</i>
A.A., University of State of New York	
Richard A. Bass, LT, USN	<i>Sophomore Instructor</i>
B.S., Purdue University	
Owen D. Corpin, LT, USN	<i>Recruiter</i>
B.S., U.S. Naval Academy	
Walter E. Gaskin, Captain, USMC . . .	<i>Freshman Instructor and Marine Officer</i>
B.S., Savannah State College	
Royal H. Logan, CDR, USN	<i>Assistant Professor and Executive Officer</i>
B.S., University of North Florida	
Charles T. Settlemyer, LCDR, USN	<i>Junior Instructor</i>
B.A., Furman University	
John K. Slaven, CDR, USN	<i>Commanding Officer and Professor</i>
B.S., Maine Maritime Academy; M.A., Pepperdine University	
Roy L. Sutphin, GYSGT, USMC	<i>Instructor</i>
U.S. Marine Corps Staff Non-Commissioned Officers Academy	

PRESIDENT'S OFFICE

Wendell G. Rayburn	<i>President</i>
B.S., Eastern Michigan University; M.A., University of Michigan; Ed.D., Wayne State University	

Beautine W. Hardwick *Administrative Assistant to the President*
B.S., Savannah State College

Vernese D. Mikel *Secretary to the President*
B.S., Savannah State College

Charles J. Elmore *Assistant to the President*
B.S., Savannah State College; M.A., Ph.D., University of Michigan

Brenda Thompson *Secretary, President's Office*
A.A., Compton Junior College

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Edward J. Hayes *Vice-President*
Ph.B., M.A., University of Detroit; Ph.D., Wayne State University

Laura G. McGraw *Secretary*
B.S., Savannah State College

Martha K. Stafford *Secretary to the Vice President*
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong
State College

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J. Gordon Gilkey, Jr. *Acting Dean, School of Business*
A.B., Harvard College; B.D., Union Theological Seminary; D.D., Knox
College

J. Arthur Jahannes *Dean, School of Humanities and
Social Sciences*
B.A., Lincoln University; M.A., M.A., Hampton Institute; Ph.D., University
of Delaware

Margaret C. Robinson *Dean, School of Sciences and Technology*
B.S., Savannah State College; M.S., University of Michigan; Ph.D., Wash-
ington University

OFFICE OF THE VICE-PRESIDENT FOR BUSINESS AND FINANCE

Prince K. Mitchell *Vice President for Business and Finance*
B.S., Savannah State College

Rosa Braley *Cashier Clerk I*

Barbara Briggs *Clerk Typist*

Polly Bright *Accounting Clerk I*
B.S., Voorhees College

Shevon Brown *Accountant II*
B.S., Boston University

Sheryl Simmons *Clerk I*

Beulah Gardner *Accountant I*
B.S., Savannah State College

Yvonne Dixon *Accountant I -*

Regina Evans	<i>Senior Secretary</i>
B.S., Savannah State College	
Thelma Harris	<i>Auditor II</i>
B.S., C.P.A., College of The Holy Spirit	
Wanda Houston	<i>Cashier Clerk I</i>
Venkatarathnam Koganti	<i>Director of Personnel and Budget</i>
M.A., University of Saugar; M.B.A., Atlanta University	
Almisha Mattox	<i>Senior Accounting Assistant</i>
B.S., Savannah State College	
Ruby Morris	<i>Accounting Assistant</i>
Savita Raut	<i>Accountant III</i>
B.S., University of Bombay	
Marion P. Roberts	<i>Senior Administrative Secretary</i>
B.S., South Carolina State College	
Jeannette Westley	<i>Assistant to the Vice President</i>
	<i>for Business and Finance</i>
B.S., Savannah State College	
Cornelius Wooten	<i>Director, Business Services</i>
B.S., Savannah State College; M.B.A., Atlanta University	
Glenn Lee	<i>Assistant Director of Personnel</i>
B.S., Savannah State College	
Charlotte Murphy	<i>Accounting Assistant</i>
B.A., Livingstone College	
Vivian Brannen	<i>Data Entry Clerk</i>
Ophelia Rogers	<i>Data Entry Clerk</i>
Luvenia Rilington	<i>Accountant I</i>
B.S., Savannah State College	

REGISTRAR, ADMISSIONS AND FINANCIAL AID

John B. Clemmons	<i>Registrar (Acting)</i>
B.S., Morehouse College; M.S., Atlanta University	
Dorothy Butler	<i>Office Supervisor</i>
Festine Butler	<i>Recorder I</i>
B.S., Savannah State College	
Wilhelmina Butler	<i>Recorder I</i>
Alvin Collins	<i>Associate Registrar</i>
B.S., Savannah State College	

Almera King *Secretary*
 Robert L. Ray *Director, Veterans Affairs*
 B.A., University of LaVerne; M.B.A., Savannah State College
 Wilma Sheppard *Recorder I*
 Saundra Wallace *Clerk II*
 B.S., Savannah State College

ADMISSIONS OFFICE

David Foye *Director of Admissions*
 B.S., Savannah State College; M.Ed., Savannah State College-Armstrong
 State College
 David Whiteis *Associate Director of Admissions*
 B.A., Birmingham Southern College; M.Ed., Savannah State College-Arm-
 strong State College; Ed.D., University of Georgia
 Charlene Manigault *Secretary, Office of Admissions*
 Roy Jackson *Admissions Counselor*
 B.S., Savannah State College; M.Ed., Savannah State-Armstrong State

FINANCIAL AID

Tommie Mitchell *Director of Financial Aid*
 B.S., Savannah State College; M.Ed., Savannah State College-Armstrong
 State College
 Patricia Cannon Young *Secretary*
 Graduate, Draughon's Business College
 Jerrie M. Knight *Student Employment Coordinator*
 B.S., Savannah State College
 Anne Lipsey *Counselor*
 B.S., Savannah State College
 Samuel Williams *Assistant Director of Financial Aid*
 B.S., Savannah State College; M.Div., Howard University

COLLEGE LIBRARY

Andrew J. McLemore *Librarian*
 A.B., Morehouse College; M.S.L.S., Atlanta University; M.B.A., Georgia
 Southern College; LL.B., John Marshall Law College
 Madeline Allen *Library Assistant II*
 Joyce Chaplin *Library Assistant I*
 Patricia Gloyd *Acting Catalog Librarian*
 B.A., State University New York; M.L.S., State University of New York
 Carolyn Harris *Library Assistant II*
 Rose Harris *Library Assistant I*

Linda Hall	<i>Library Assistant I</i>
B.S., Savannah State College	
Tonya Greene	<i>Senior Secretary</i>
B.S., Savannah State College	
Robert Mobley	<i>Director of Audio-Visual Services</i>
B.S., Savannah State College; M.Ed., Georgia Southern College	
Evelyn Richardson	<i>Library Assistant III</i>
B.S., Savannah State College	
Berencie A. Scott	<i>Library Assistant I</i>
Madeline Thomas	<i>Associate Librarian</i>
A.B., Fisk University; B.S.L.S., North Carolina College; M.S.L.S., University of Illinois	
Verdell Wright	<i>Library Assistant II</i>
Patricia Kleinhans	<i>Acquisitions Librarian</i>
A.B., University of South Carolina; M.L., University of South Carolina	

STUDENT PERSONNEL SERVICES

Leon S. White	<i>Dean for Student Affairs</i>
B.S., M.Ed., Tuskegee Institute; Ph.D., Ohio State University	
Herbert Bacon	<i>Resident Manager, Camilla Hubert Hall</i>
Curtbert Burton	<i>Resident Manager, Peacock Hall</i>
B.S., Savannah State College	
Henry Drayton	<i>College Nurse</i>
RN	
Gwendolyn Jones	<i>College Nurse</i>
RN	
Nelson R. Freeman	<i>Director of Placement</i>
B.S., Savannah State College; M.A., Columbia University	
Elizabeth Chapman	<i>College Nurse</i>
LPN	
Juanita Harper	<i>Staff Assistant</i>
B.S., Savannah State College	
Shirley Trent	<i>Resident Manager, Bowen-Smith Hall</i>
Sylvia Hutchinson	<i>College Nurse</i>
LPN	
Stephen M. McDew, Jr.	<i>College Physician</i>
B.S., Savannah State College; M.D., Meharry Medical College	
Aubrey Mumford	<i>Director, Student Union</i>
B.S., M.Ed., Savannah State College	
Cleo F. Riley	<i>College Nurse</i>
LPN	

Evadne Roberts *Resident Manager, Lester Hall*
B.S., Savannah State College

Yvonne P. Roberts *Counselor*
B.S., Savannah State College

Josie Williams *Secretary, Student Personnel*

Mary Conyers *Resident Manager, Lockette Hall*

Gerron Miller *Resident Manager, Bostic Hall*
B.S., Savannah State College

STRENGTHENING DEVELOPING INSTITUTIONS PROGRAM

George J. O'Neill *Director*
B.A., Youngstown State University; M.A., Ph.D., University of Southern California

Catherine Baker *Secretary*
B.S., Savannah State College

EXTENDED SERVICES

Gary F. Norsworthy *Dean, Joint Continuing Education Center-*
Armstrong State College-Savannah State College
B.A., M.A., Ph.D., Florida State University

Rosemary Banks *Director of Extended Services (Acting)*
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong State College

Jackie Boston *Secretary*

Brenda D. Groover *Coordinator of Correspondence Study and*
Short Courses
B.S., Savannah State College

Diane Harvey Johnson *Director of Project HIRE*
B.S., Morris Brown College; M.A., Atlanta University

Gwendolyn Ware *Secretary, Project HIRE*

DEVELOPMENT/ALUMNI AFFAIRS

Benjamin F. Lewis *Director of Development*
B.S., Savannah State College; LL.B., John Marshall Law School

Carol Singleton *Director of Alumni Affairs*
B.S., Savannah State College

Naomi Calhoun *Staff Assistant*

Juanita Adams *Director of Institutional Research*
B.S., Savannah State College; M.A., Atlanta University

PUBLIC RELATIONS OFFICE

- Charles J. Elmore *Director of Public Relations*
B.S., Savannah State College; M.A., Ph.D., University of Michigan
- Patricia T. Hartwell. *Clerk Typist II*
- Lee Grant Pearson *Director of Sports Information*
B.S., Savannah State College

COMPREHENSIVE COUNSELING CENTER

- Henton Thomas *Director*
B.S., Savannah State College; M.Ed., Georgia Southern College
- Rachel H. Claiborne *Psychometrist/Counselor*
A.B., Chafin College; M.Ed., South Carolina State College
- Edna Jackson *Counselor*
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong State College
- Shirley B. James *Counselor*
B.S., Spelman College; Ed.M., Harvard
- Sheila C. Monroe *Secretary*
- Yvonne M. Stevens *Counselor*
B.S., Hampton Institute; M.Ed., Atlanta University

DIVISION OF STUDENT SUPPORT AND SPECIAL PROGRAMS

- Willie Mae Robinson *Director*
B.S., Savannah State College; M.A., The University of Chicago
- Maajid Faheem Ali *Counselor*
B.S., Savannah State College
- Erma Jean Mobley *Counselor*
B.S., Savannah State College
- Debra A. Roberts *Secretary*
Savannah Vocational
- Doretha Tyson *Counselor*
B.S., Savannah State College

COMPUTER CENTER

- Donald Shavers *Director*
A.A., Abraham Baldwin Agriculture College
- Ellen H. Addison *Keypunch Operator*
- Daisy R. Hendrix *Clerk Typist I*
- Corry Johnson *Programmer Analyst*

COLLEGE BOOKSTORE

Harold M. Singleton *Bookstore Manager*
 B.S., Savannah State College; M.Ed., Savannah State-Armstrong State

Emma S. Ellington *Accounting Clerk*

LOGISTICAL SERVICES

John W. Merritt *Director of Logistical Services*
 B.S., Savannah State College

Priscilla Bryan *Accounting Clerk III*
 B.S., Savannah State College

Matthew H. Howard *Property Control Officer*

Velma W. Johnson *Accounting Clerk III*
 B.S., Savannah State College

Herman Lester *Property Control Officer*

Alfred Brown *Property Control Officer*
 B.S., Savannah State College

SECRETARIAL CENTER

Doris H. Jackson *Director*
 B.S., Savannah State College

Regina A. Hopkins *Clerk Typist*

Winifred S. Mincey *Clerk Typist*
 B.S., Savannah State College

COOPERATIVE EDUCATION

Emma J. Lewis *Program Coordinator*
 B.S., Wilberforce

Elizabeth Robinson *Secretary*

AUXILIARY SERVICES

Bernard Conyers *Director, Auxiliary Services*
 B.S., Savannah State College

Nellar Lonon *Secretary, Auxiliary Services*

RADIO STATION WHCJ FM

Willie E. Brown *Manager*

DEVELOPMENTAL STUDIES PROGRAM

Ronald B. McFadden	<i>Director</i>
B.A., M.A.T., Brooklyn College; Ph.D., Ohio State University	
Charlie Bryan	<i>Mathematics Technician</i>
B.S., Savannah State College	
Sandra McPhaul	<i>Counselor</i>
B.S., Savannah State College	
Deborah Carthon	<i>English Lab Technician</i>
B.A., University of Georgia	
Mary Ann Goldwire	<i>Reading Technician</i>
B.S., Savannah State College	
Beverly Johnson	<i>Secretary</i>

NURSERY SCHOOL

Earnestine L. Lang	<i>Director/Instructor</i>
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong State College	
Annie M. Steplight	<i>Staff Assistant</i>
Lottie L. Tolbert	<i>Instructor</i>
B.S., Savannah State College; M.Ed., Savannah State College-Armstrong State College	

CAMPUS SECURITY

Isaiah Williams	<i>Captain</i>
Frizelle Anderson	<i>Officer</i>
Samuel Berksteiner	<i>Lieutenant</i>
Anna Blount	<i>Operator</i>
Samuel Brown	<i>Officer</i>
Yvonne Cutter	<i>Secretary</i>
Jerome Ferguson	<i>Corporal</i>
Gerald Frayall	<i>Officer</i>
Ronald McRae	<i>Operator</i>
Arenthia Miller	<i>Officer</i>
Annette Mincey	<i>Officer</i>
JoAnn Mitchell	<i>Officer</i>
Charlette West	<i>Officer</i>

POST OFFICE

Henrietta Henry *Postal Services Supervisor*
Susan Jordan *Clerk*

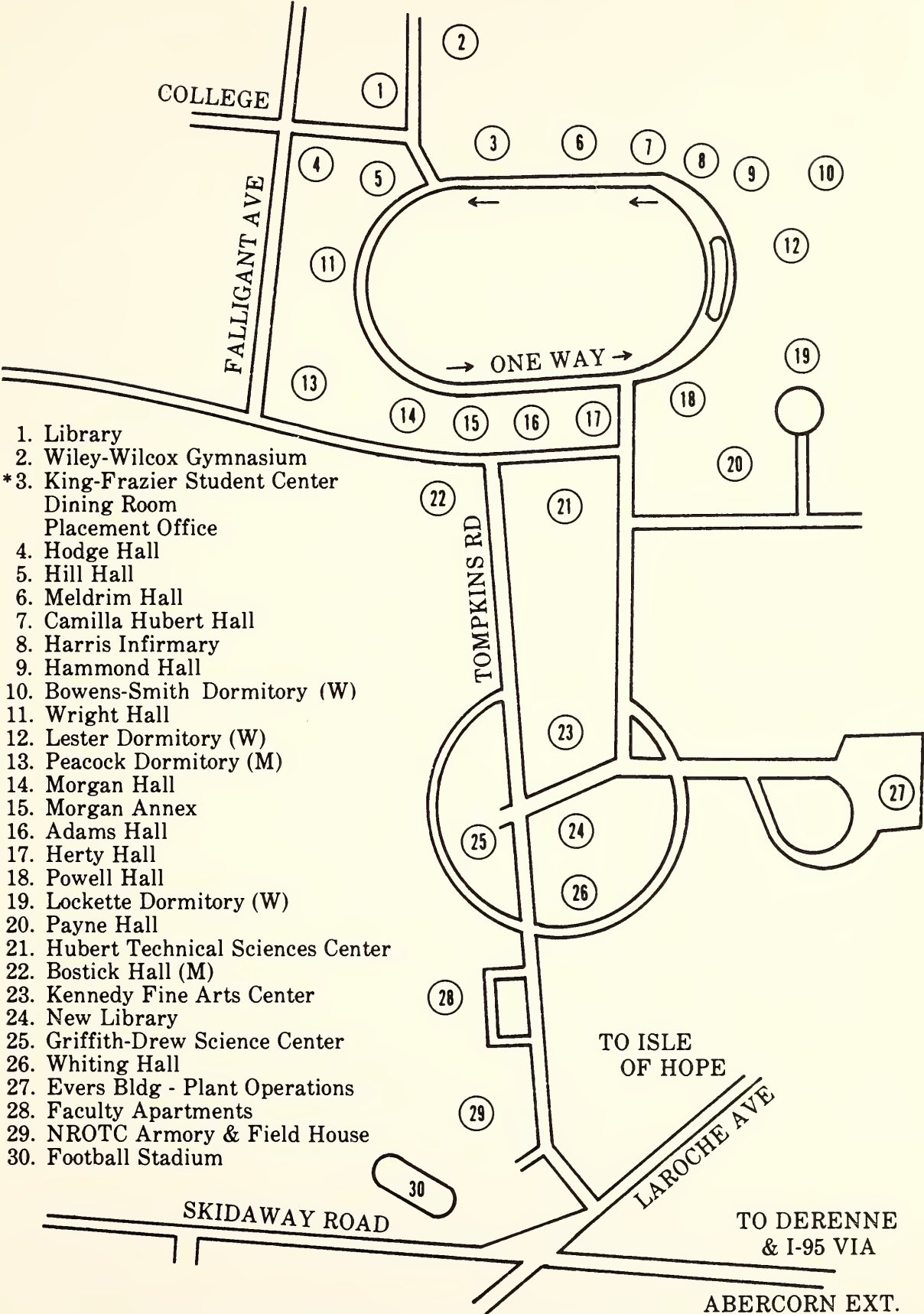
PLANT OPERATIONS

Herbert C. White *Director of Plant Operations*
 B.S., Alabama A&M College
Murdin Butts *Assistant Director of Plant Operations*
Gary N. Allen *Office Manager*
 B.S., Savannah State College
Otis Charlton *Superintendent of Housekeeping*
Amy Benton *Secretary*
Christopher Butler *Building Maintenance Inspector*
Ruth Sears *Secretary*
Linda Durham *Secretary*
Alvin Ogden *Manager of the Warehouse*
Elias Golden *Superintendent of Grounds Maintenance*
 B.S., Florida A&M University

SECRETARIES

Wanda Andrews *Department of Biology and Life Science*
Linda Boyd *Secretary, Office of Development*
 B.S., Savannah State College
Patricia H. Williams *Secretary, School of Business*
 B.S., Savannah State College
Sheri Williams *Secretary, School of Business*
Jeanette Jenkins *Secretary, Department of Chemistry*
Leonora G. Blalock *Secretary, Department of Humanities and Fine Arts*
Elizabeth Jenkins *Secretary, Department of Home Economics*
Barbara A. McFall *Secretary, Department of Mathematics*
E. P. Evans *Secretary, Naval Science*
J. Krishnamurti *Secretary, Naval Science*
Betty Buckins *Secretary, Department of Social and Behavioral Sciences*
Beverly Johnson *Secretary, Department of Developmental Studies*
Barbara A. Johnston *Secretary, Department of Engineering Technology*

SAVANNAH STATE COLLEGE
Campus Map



NOTE: (*) Location of Comprehensive Counseling Cntr. is in the King-Frazier Bldg.

